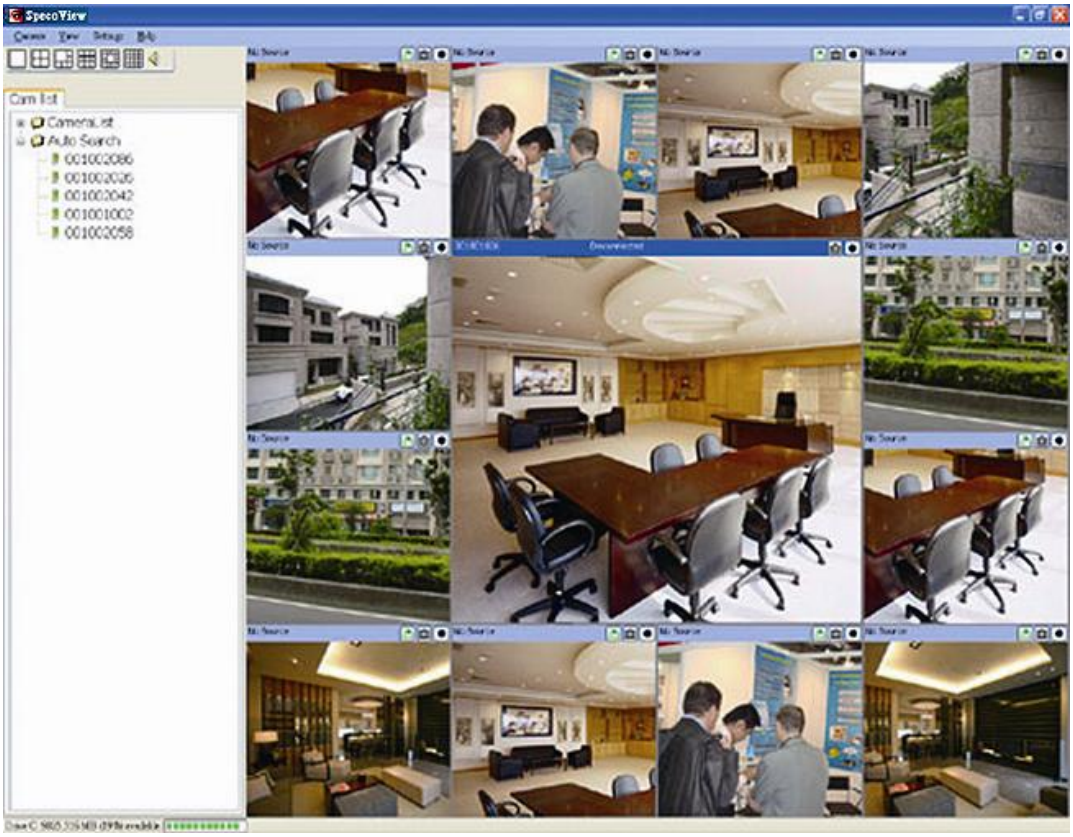
InPro Camera SpecoView



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Introduction

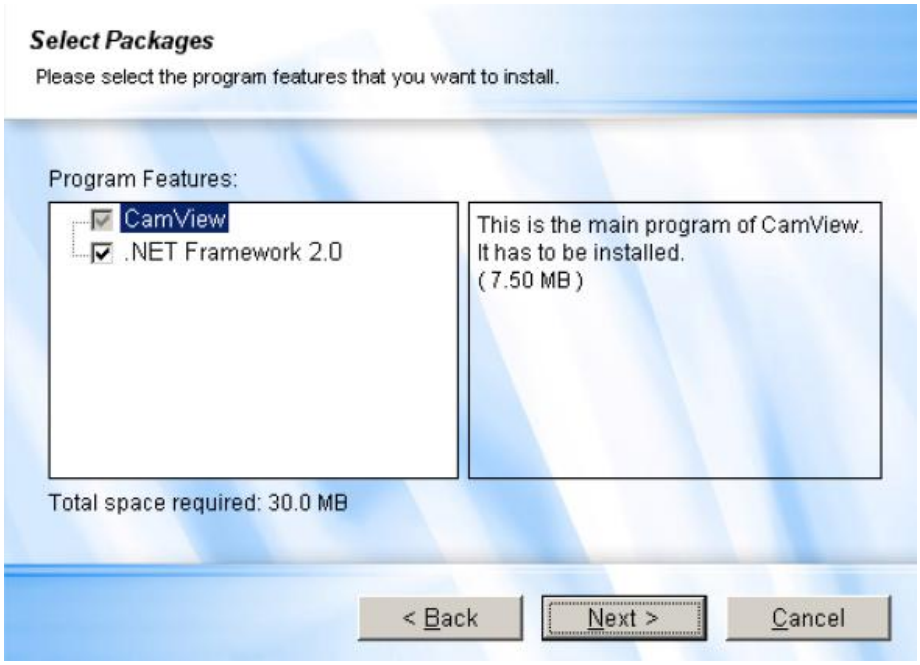
SpecoView is a 16 channel video management software package which is included with Speco's InPro Series IP Cameras. With SpecoView, it is just a mouse-click away to see the video of your IP Camera and, surprisingly, neither technical knowledge nor complex settings are required. Each InPro series IP Camera has a unique Camera ID (9 digits long) and a password for logging in to see the video.

Install SpecoView Program

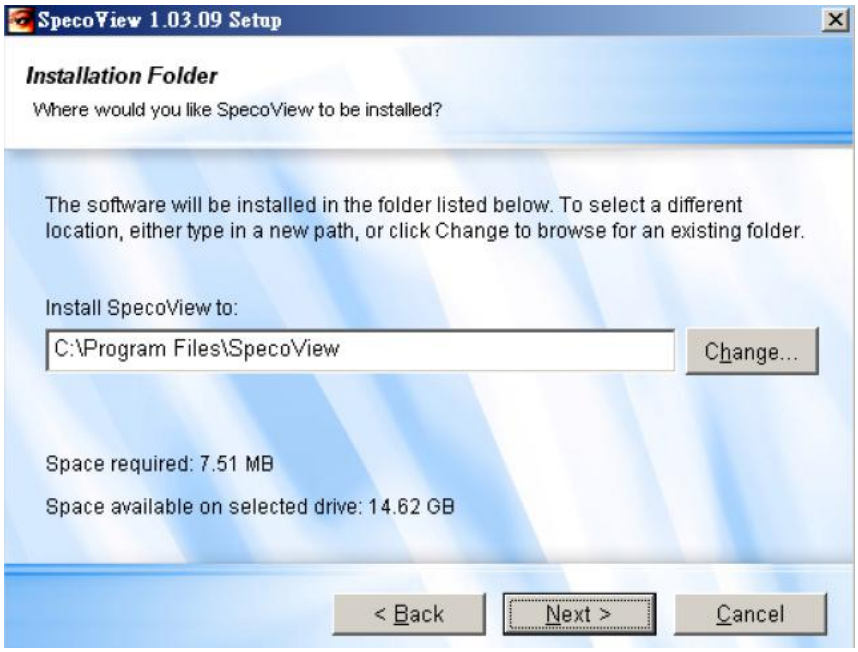
Step 1. Please close other windows applications before proceeding.

Step 2. Insert the installation CD into your CD-ROM drive and find the SpecoViewInstaller-V1.03.09.exe. Double click it to start the installation process and you will see the “Welcome” window. Click Next > button.

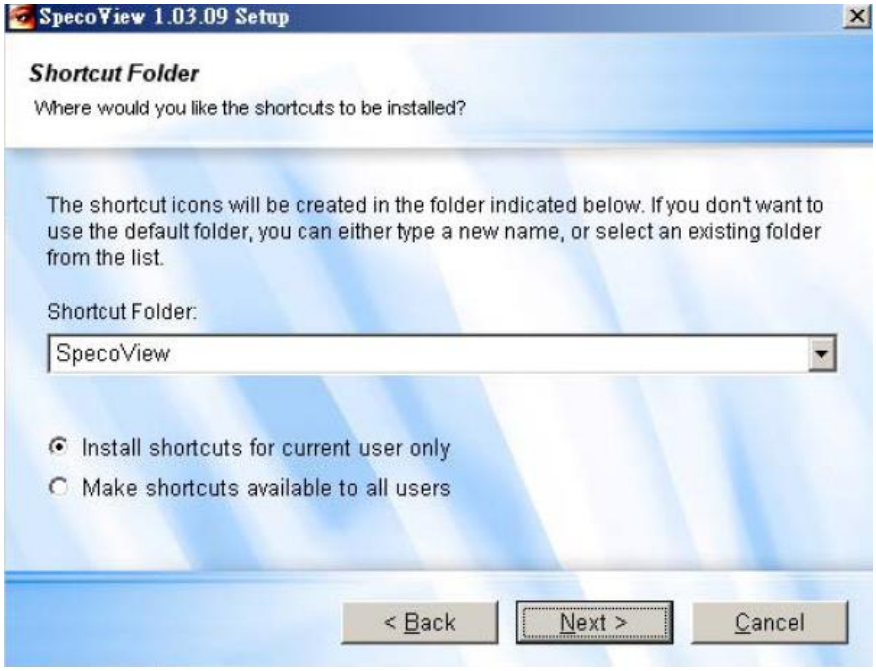
Step 3. If you are uncertain if Framework 2.0 is already installed on your PC, please check .NET Framework 2.0. Click Next > to proceed installation.



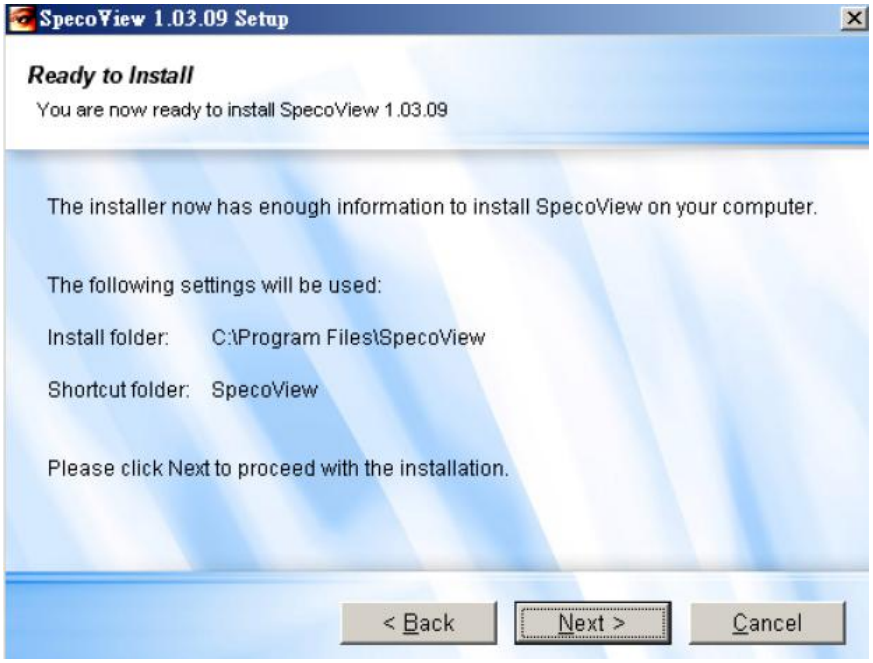
Step 4. Click Next > to proceed



Step 5. Make a selection and click Next > to proceed.



Step 6. click Next > to proceed.



Step 7 Click

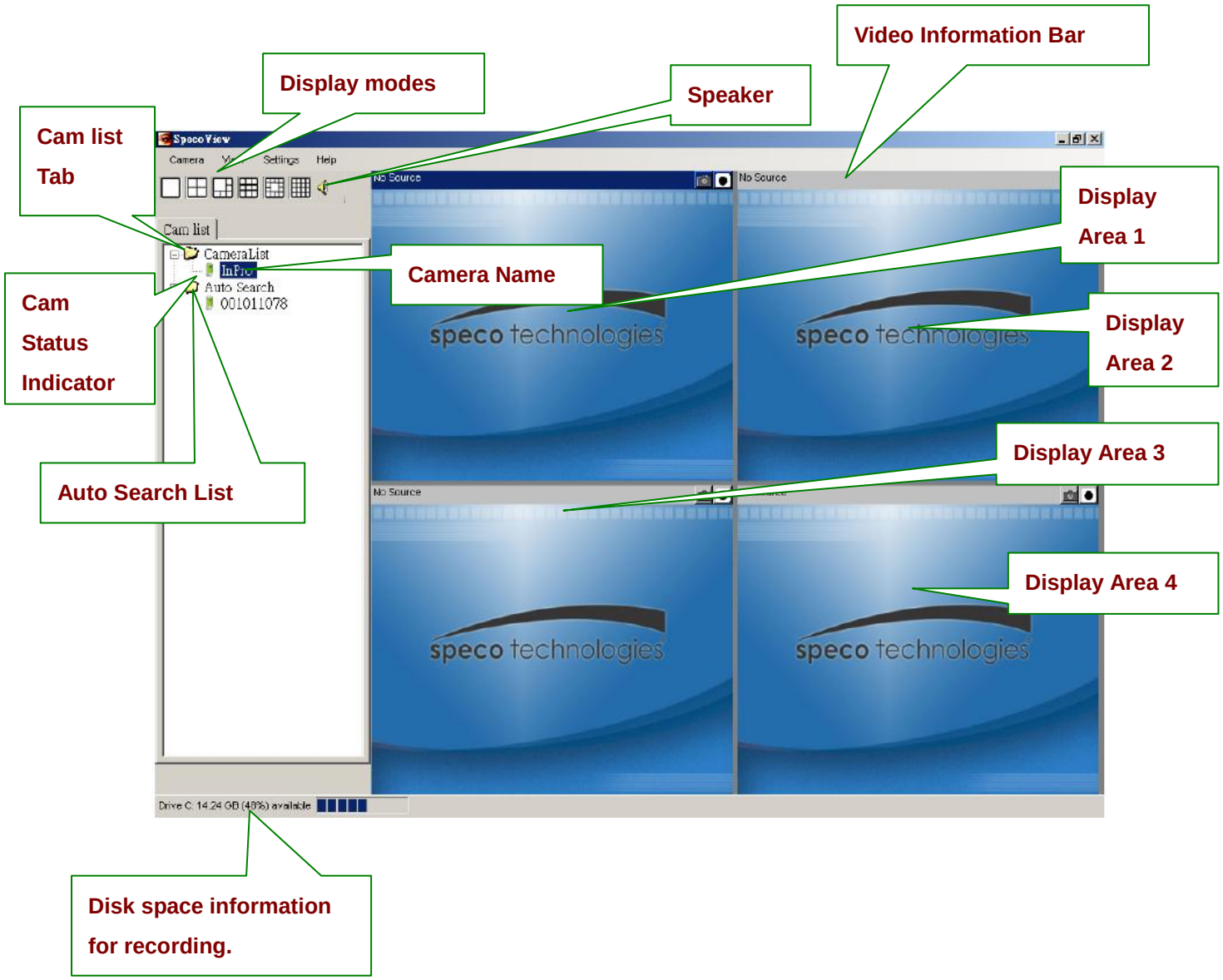
to exit. SpecoView installation now is completed.

Startup and the layout of SpecoView

Startup SpecoView

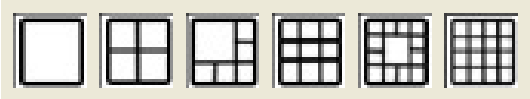
You can startup SpecoView from either Start ➔ Programs ➔ SpecoView or the shortcut of SpecoView on the windows desktop.

Layout of SpecoView

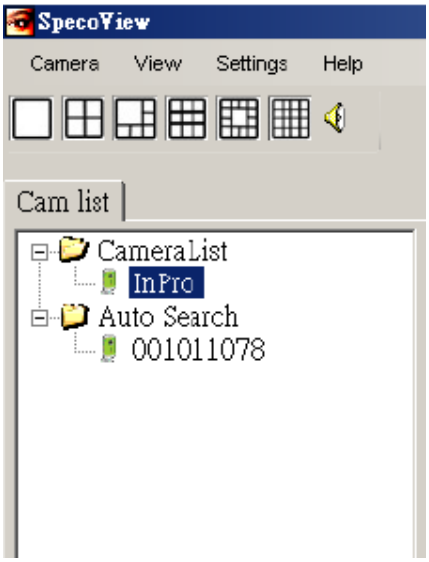


Display Mode

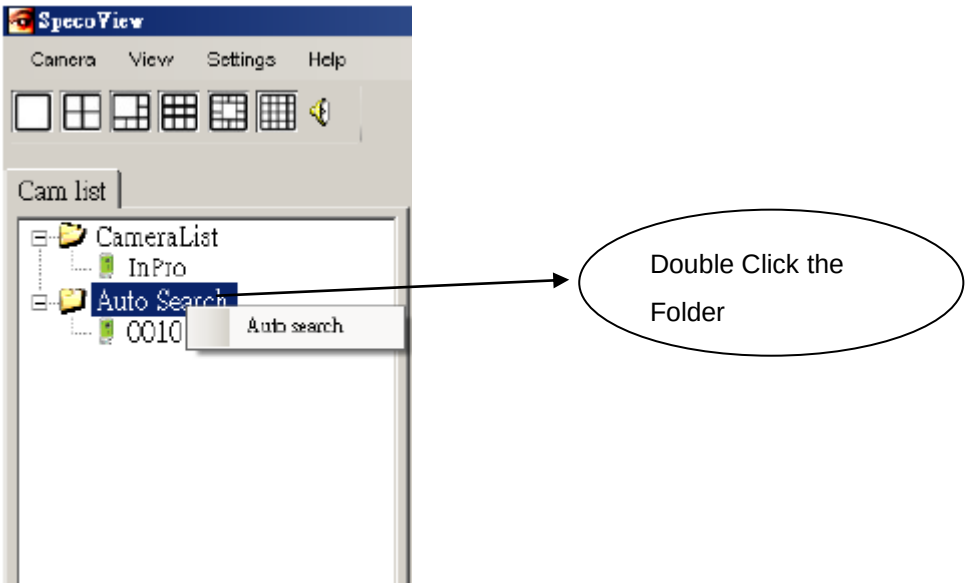
SpecoView supports 6 display modes. By pressing each mode, you can have a different live view display.



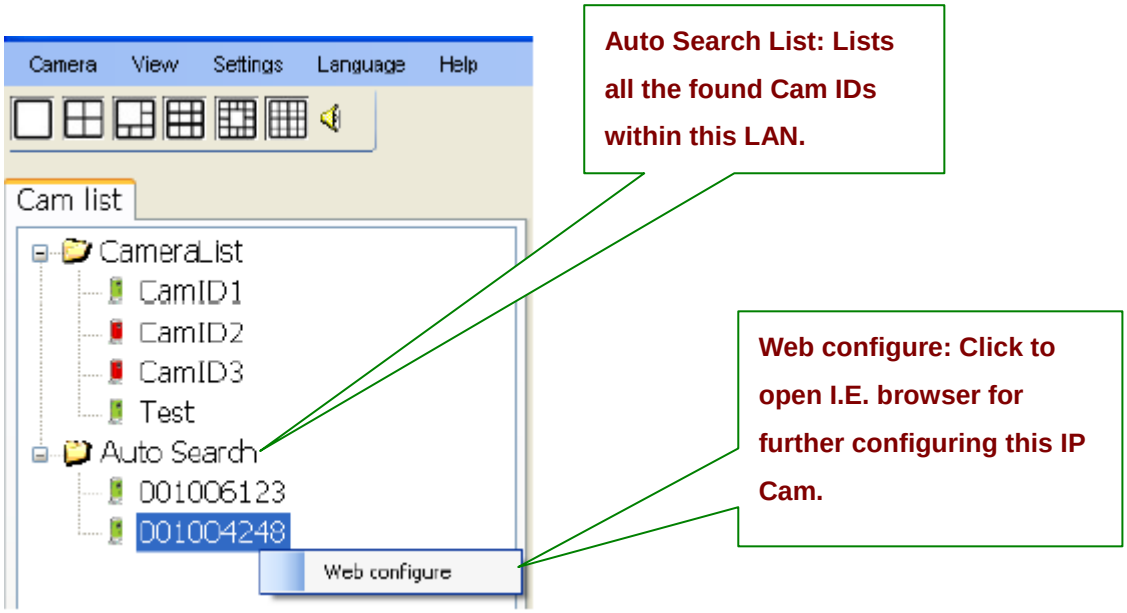
Auto Search

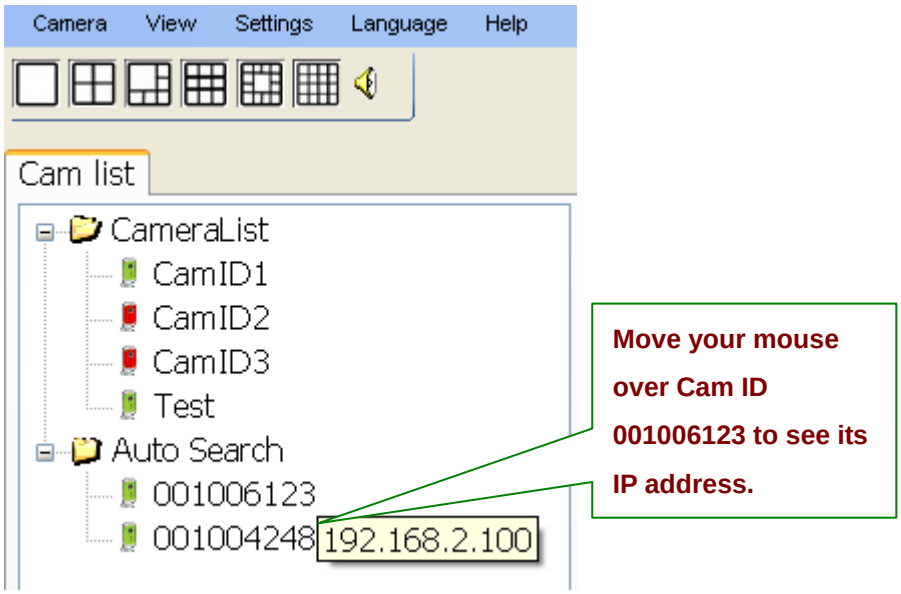


Auto search is a function that searches for all Speco InPro series IP Cameras on your LAN (Local Area Network). At the very beginning of SpecoView startups, SpecoView automatically does the auto search.



To do auto search manually, double click on the “Auto Search” folder. SpecoView searches all available IP cams in the LAN and lists all IDs under the folder. Right click on the find Cam ID and select “Web Configuration” to access the IP cam’s web page for configuration.
Move the mouse cursor on the Cam ID under Auto Search, you can see the virtual IP in the LAN.



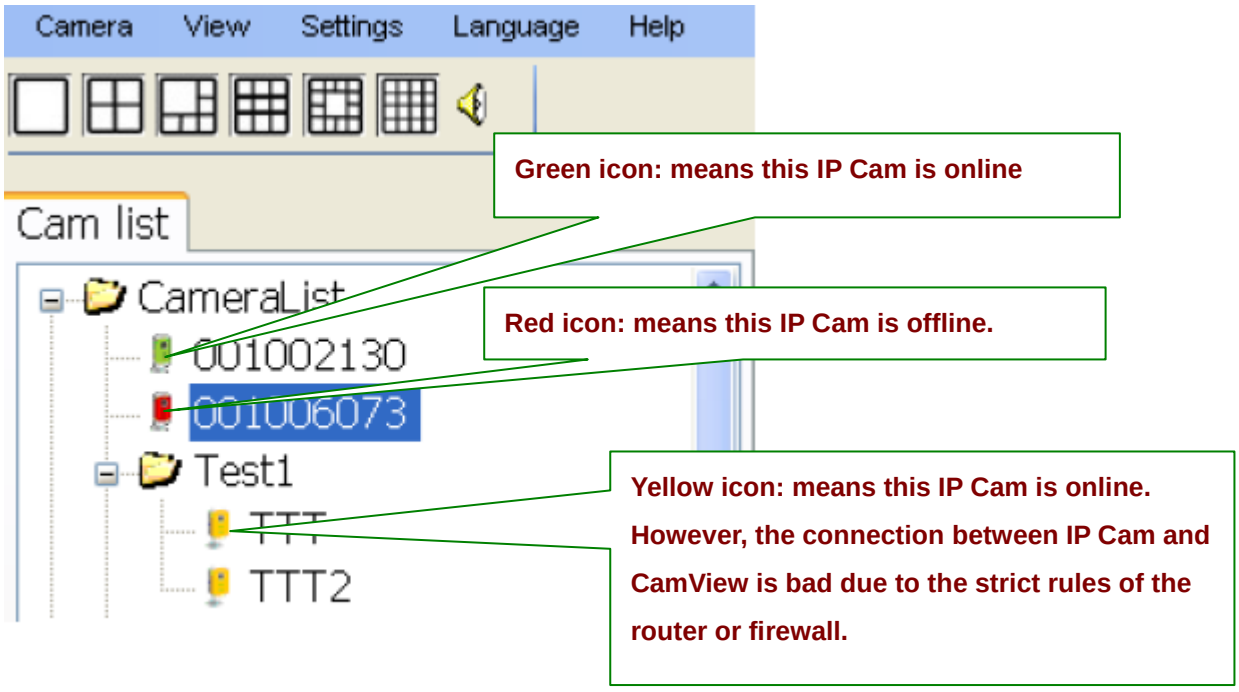


IP Cam online status indicator

There is an IP Cam icon in front of the Camera Name which indicates the online status of that IP Camera.

RED → IP cam is off line, not connecting to internet.
GREEN → IP is on connected to internet.
YELLOW →IP is on line but the connection is not good because either side might be behind a router which has strict rules for access.

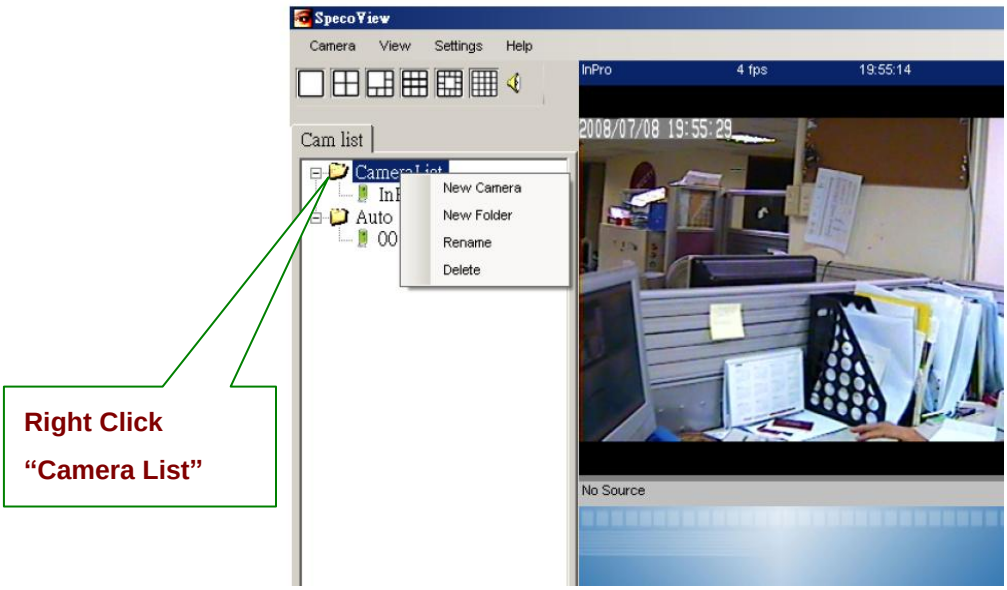
Note: The IP Cam online status refreshes every 30 seconds automatically.



Note: The green icon indicates the IP Cam is online and responding, but not guarantees that the video session can be established 100%. Unfavorable Firewall setting may block the video.

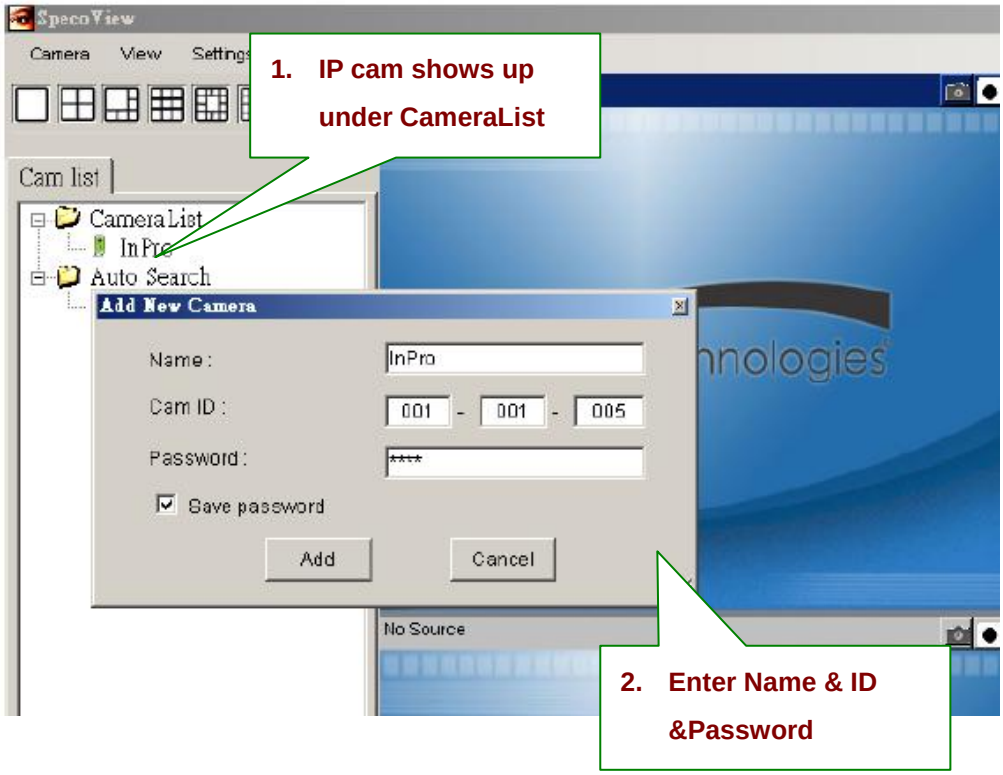
Managing InPro IP cameras

Right click the *"Camera List"* tab. You can add a new InPro IP cam, create a new folder, rename the IP cam or the folder, and delete any InPro IP cams or any folder.



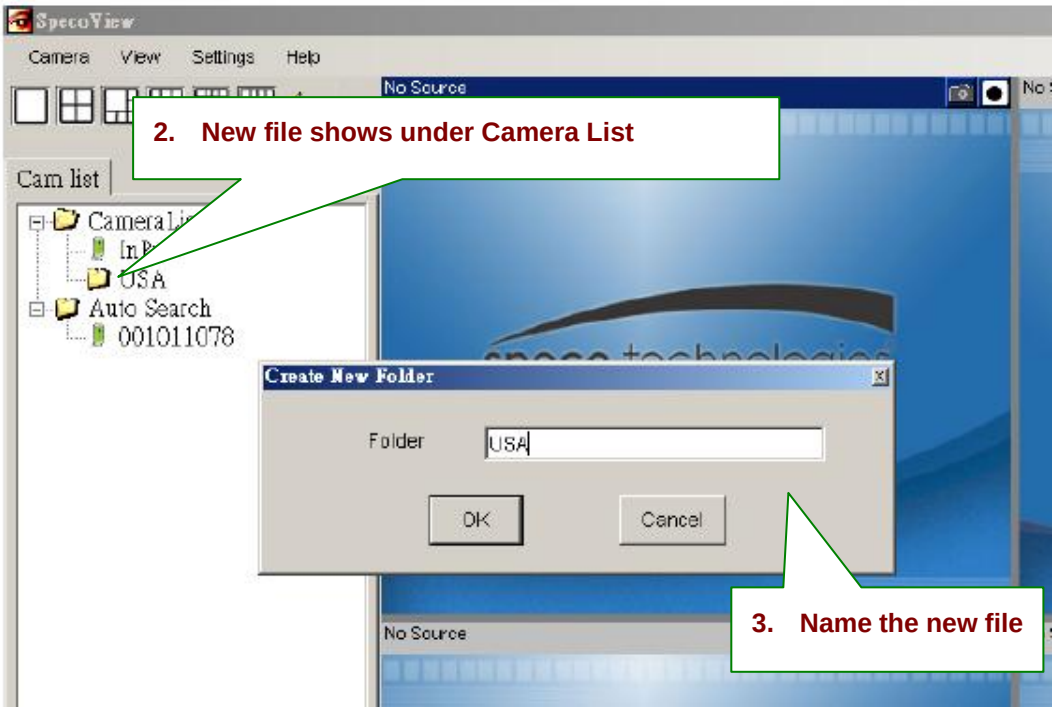
New Camera

Users can add a new camera to the list by entering each InPro series IP cam ID and password. Users can also name the IP cam.



New Folder

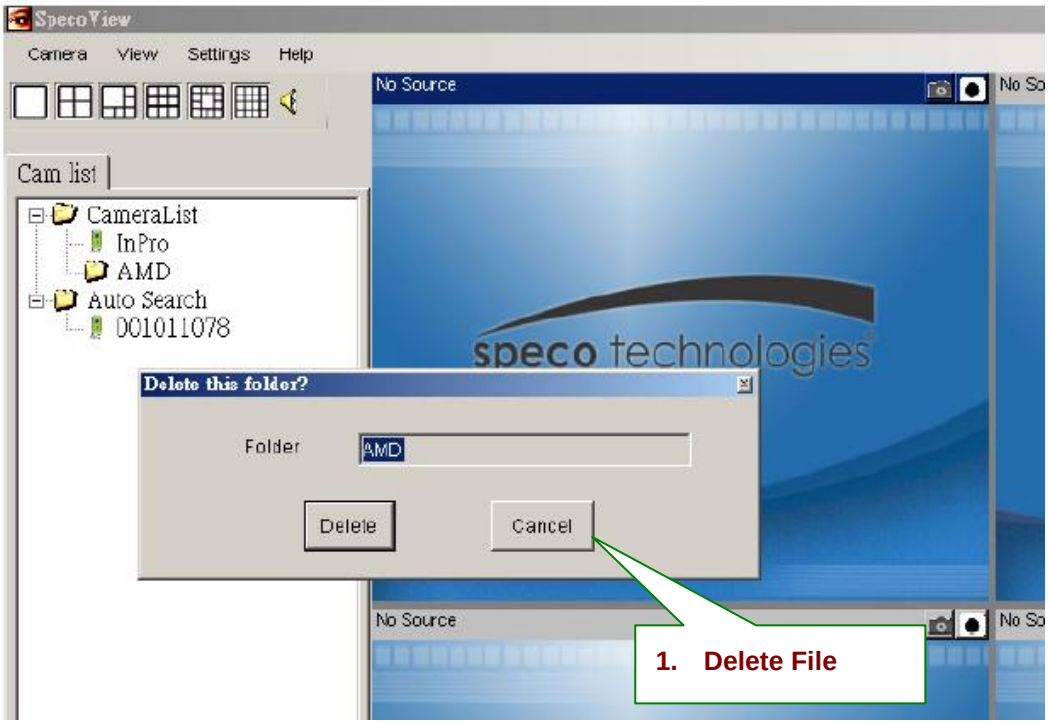
Users can group InPro Series IP cams by creating a new folder.



Rename

You can rename the folder.

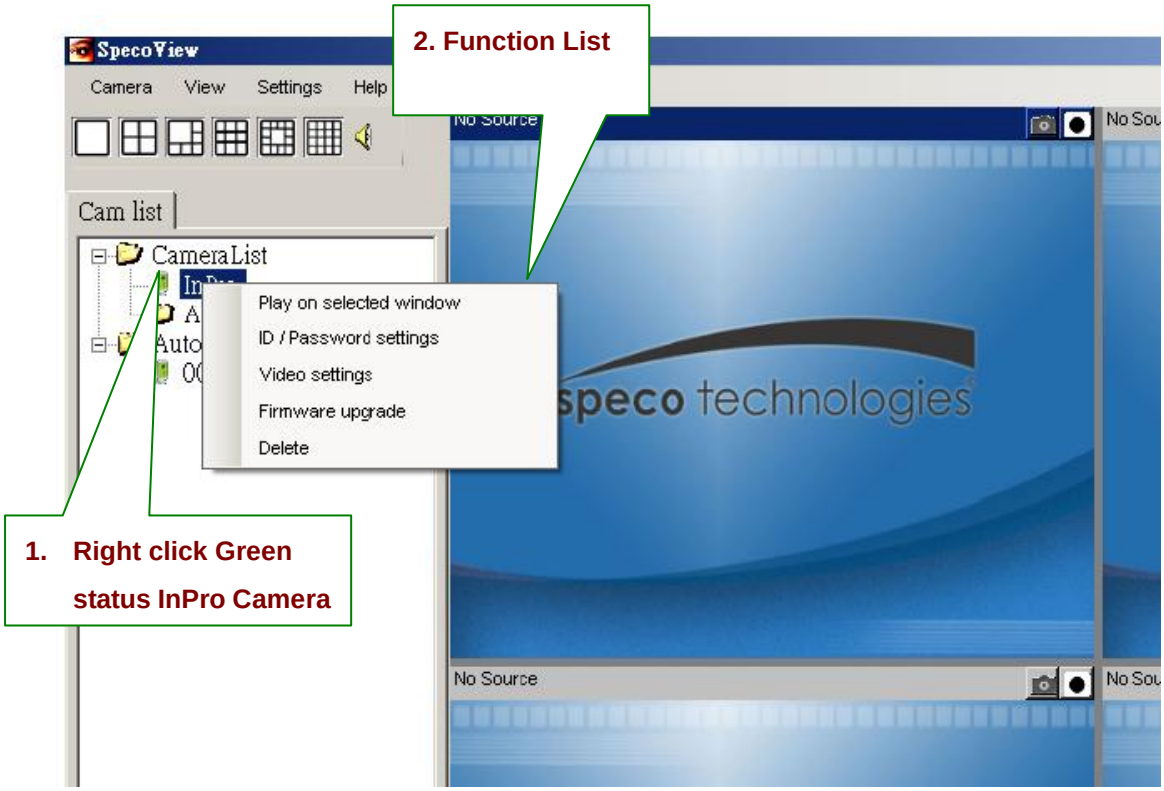
Delete


SpecoView
Camera
View
Settings
Help
Cam list
CameraList
InPro
AMD
Auto Search
001011078
No Source
speco technologies
Delete this folder?
Folder
AMD
Delete
Cancel
No Source
1. Delete File

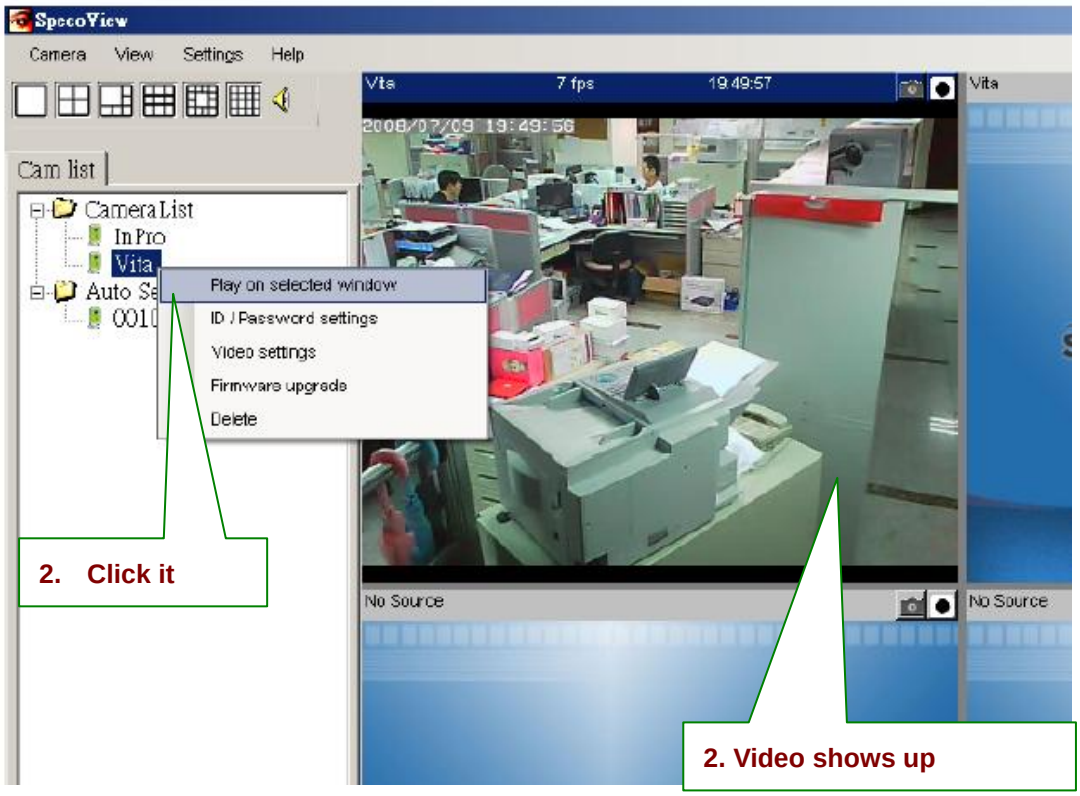
InPro Camera Adjustment

By right clicking on a green light status InPro IP cam, you can access the video display, do ID and password settings, adjust video settings, upgrade firmware, and delete it from the list.

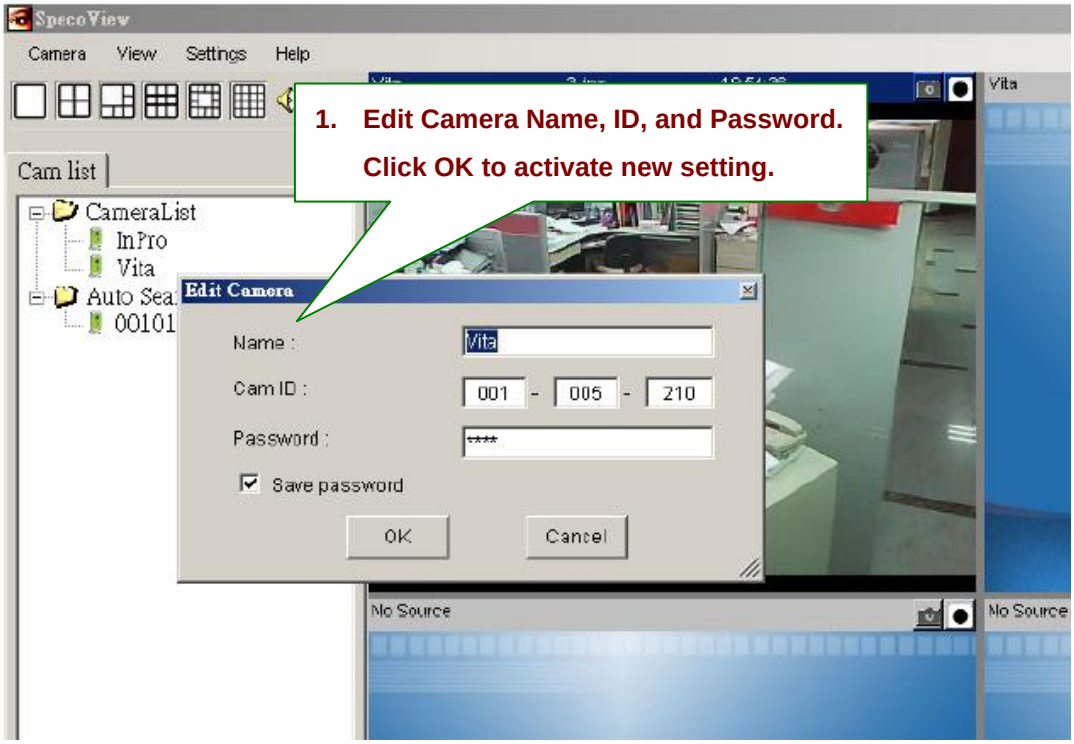
Note: Camera status must be green in order to access function list.



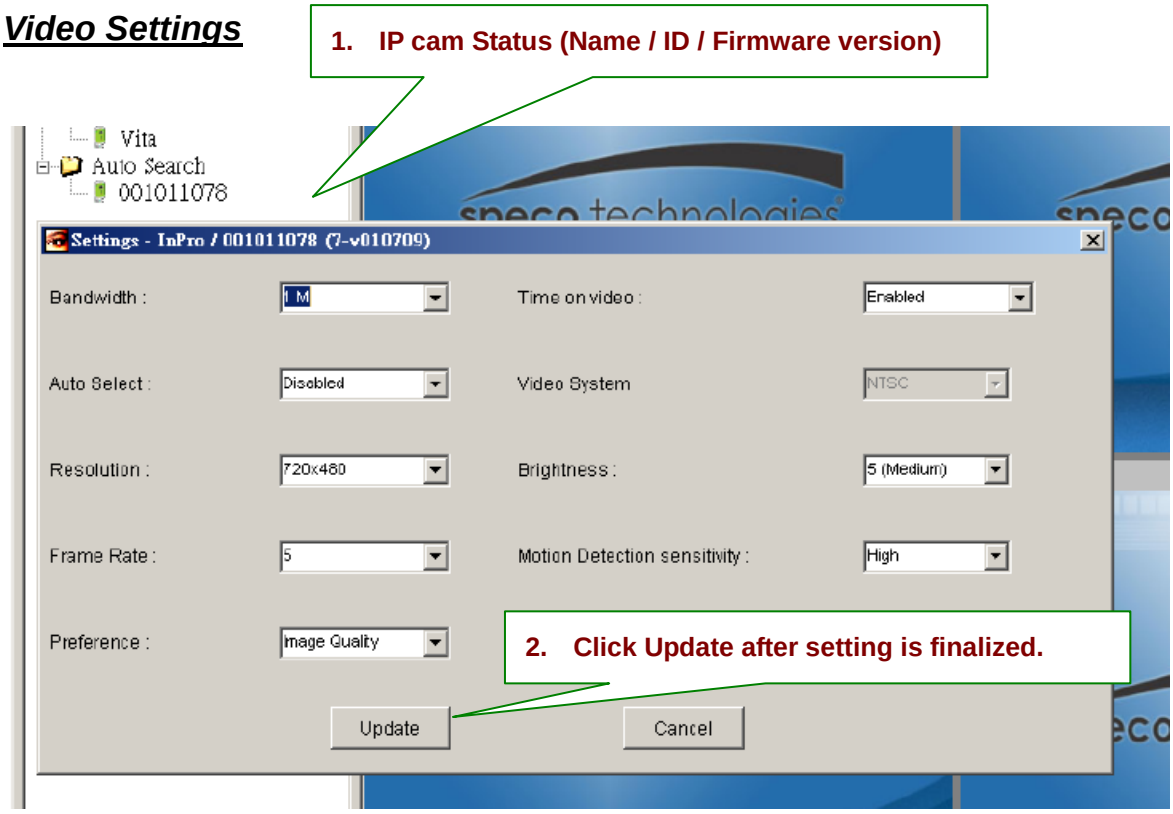
Play on Selected Window



ID / Password Settings



Video Settings



A. **Bandwidth***:* Available selections are from 64K to 1.5M. Appropriate bandwidth setting must match the InPro camera physical site internet uploading bandwidth. Higher bandwidth equals better picture quality.

B. **Auto Select:** Enable Auto Select, the InPro camera automatically adjusts the most appropriate video setting including resolution and frame rate of the InPro camera based on current physical site of the InPro camera network environment.

C. **Frame Rate:** Available options are from 1 to 30fps. Higher FPS consumes more bandwidth.

D. **Preference:** By selecting Image Quality, the InPro camera automatically adjusts itself for image quality as priority in case of interference with the network environment.

E. **Time on Video:** If you enable this function, the current time at the InPro camera physical site is shown on the video.

F. **Video System:** Pre-selected. Users may change it at IP cam configuration Web Page.

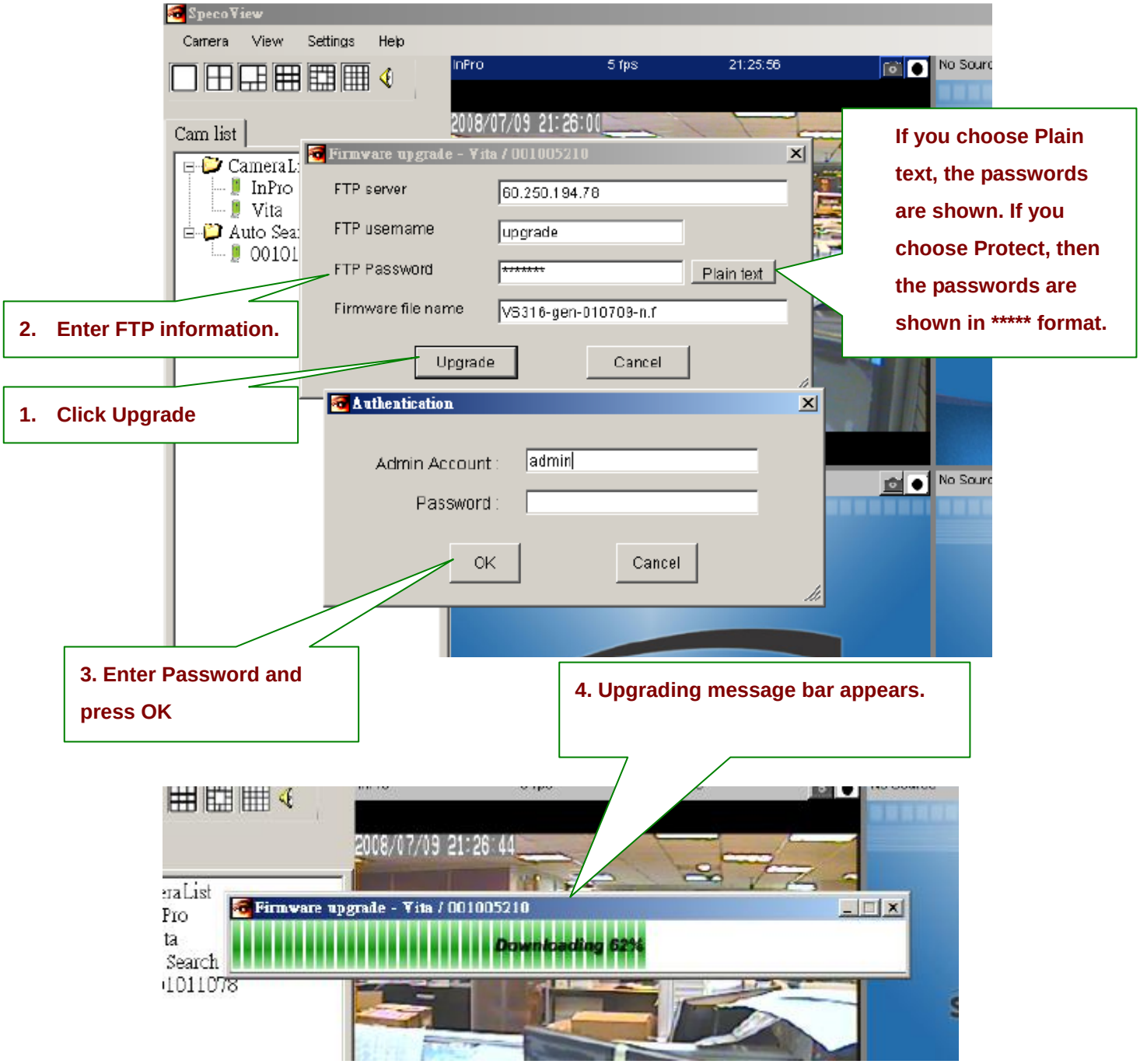
G. **Brightness:** Control of brightness of the InPro camera video.

H. **Motion Detection Sensitivity:** Available options are high, medium, and low.

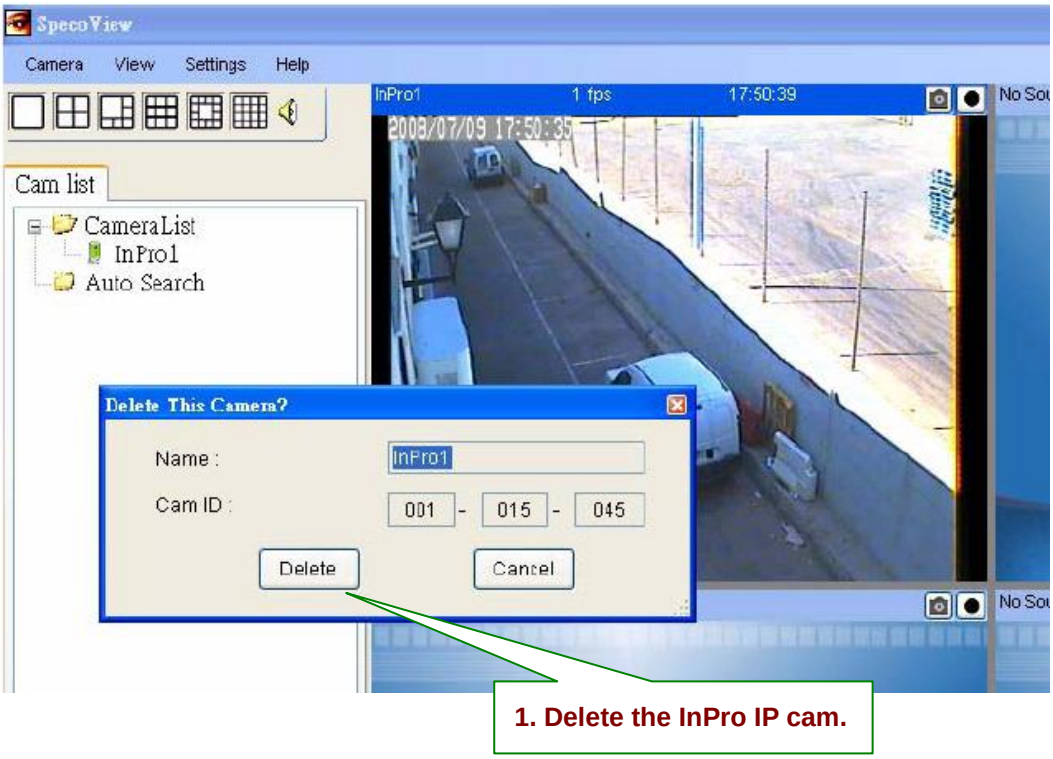
Firmware Upgrade

In case new firmware is released, enter Speco's FTP site, FTP username, firmware name, and FTP password to upgrade the InPro camera firmware. The default password of Authentication is "**admin**".

Note: Users can change the default Firmware Upgrade Authentication password in the Web Page Configuration. Please refer to page 49

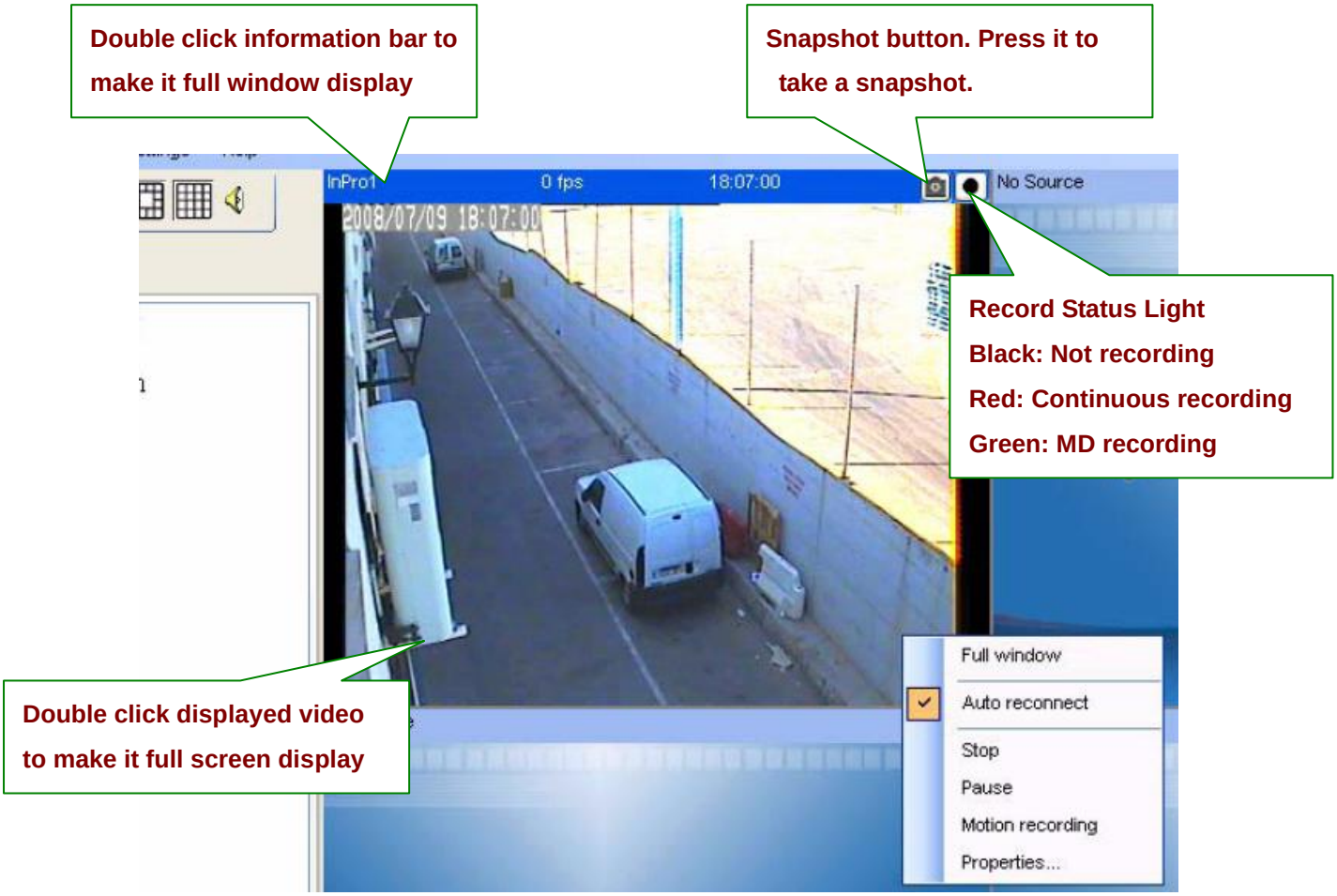


Delete


SpecoView
Camera
View
Settings
Help
InPro1
1 fps
17:50:39
Cam list
CameraList
InPro1
Auto Search
Delete This Camera?
Name :
InPro1
Cam ID :
001
015
045
Delete
Cancel
1. Delete the InPro IP cam.

Displayed Video Control

Use the mouse to select displayed window. Right click to see various functions.



Full Window

Choose it to display video in full window. Users can also double click the information bar to display in full window. Double click the displayed video to make full screen display. One more double click changes to normal window display mode.

Auto Reconnect

Checking *"Auto reconnect"* option reconnects the video session automatically once the session is closed by the IP Camera, for example, if the settings of the IP Cam have been changed or the Internet connection of the IP Cam has lost.

Stop

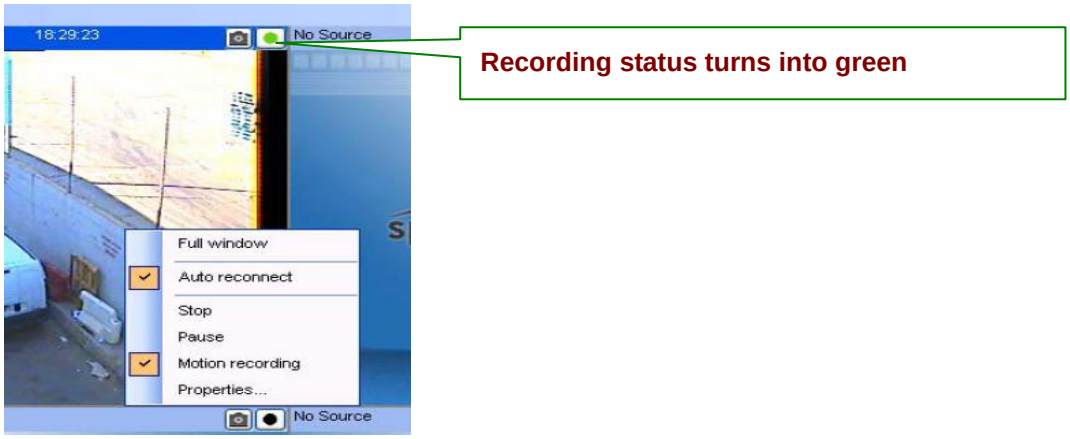
Click to stop video displaying.

Pause

Click to pause video displaying.

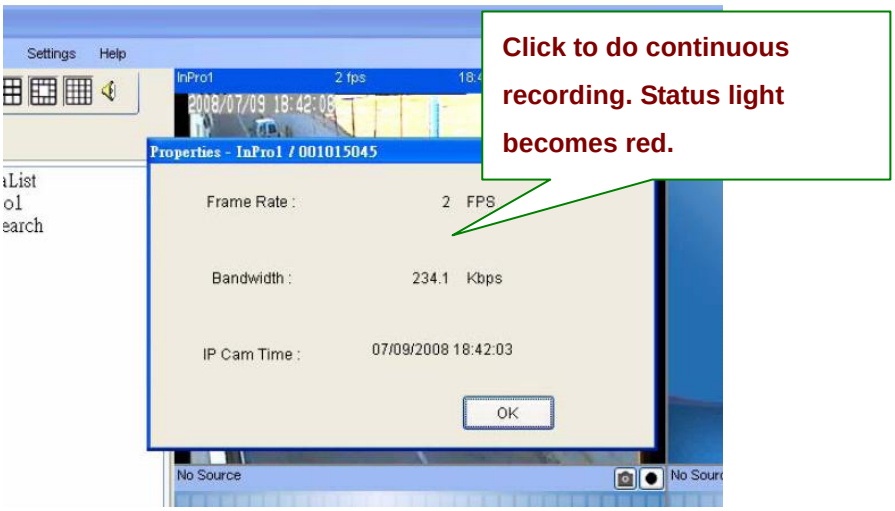
Motion Recording

Click to enable motion detection recording. When motion detection recording is activated, recording status turns to Green.

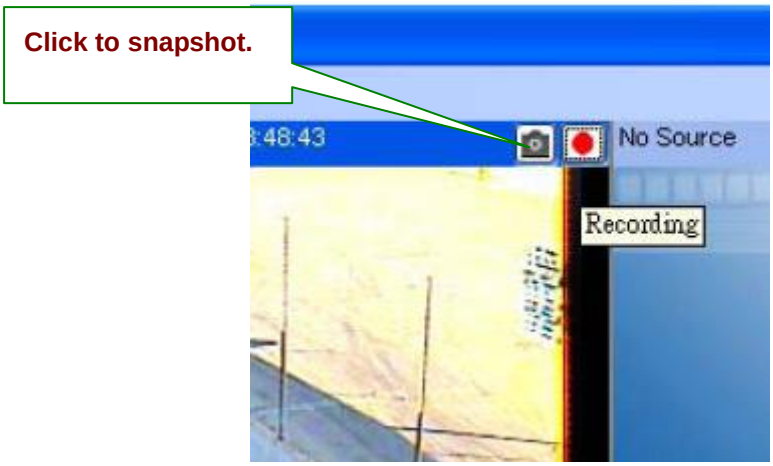


Properties

Show current InPro IP cam's frame rate, consuming bandwidth, and InPro camera physical site time.

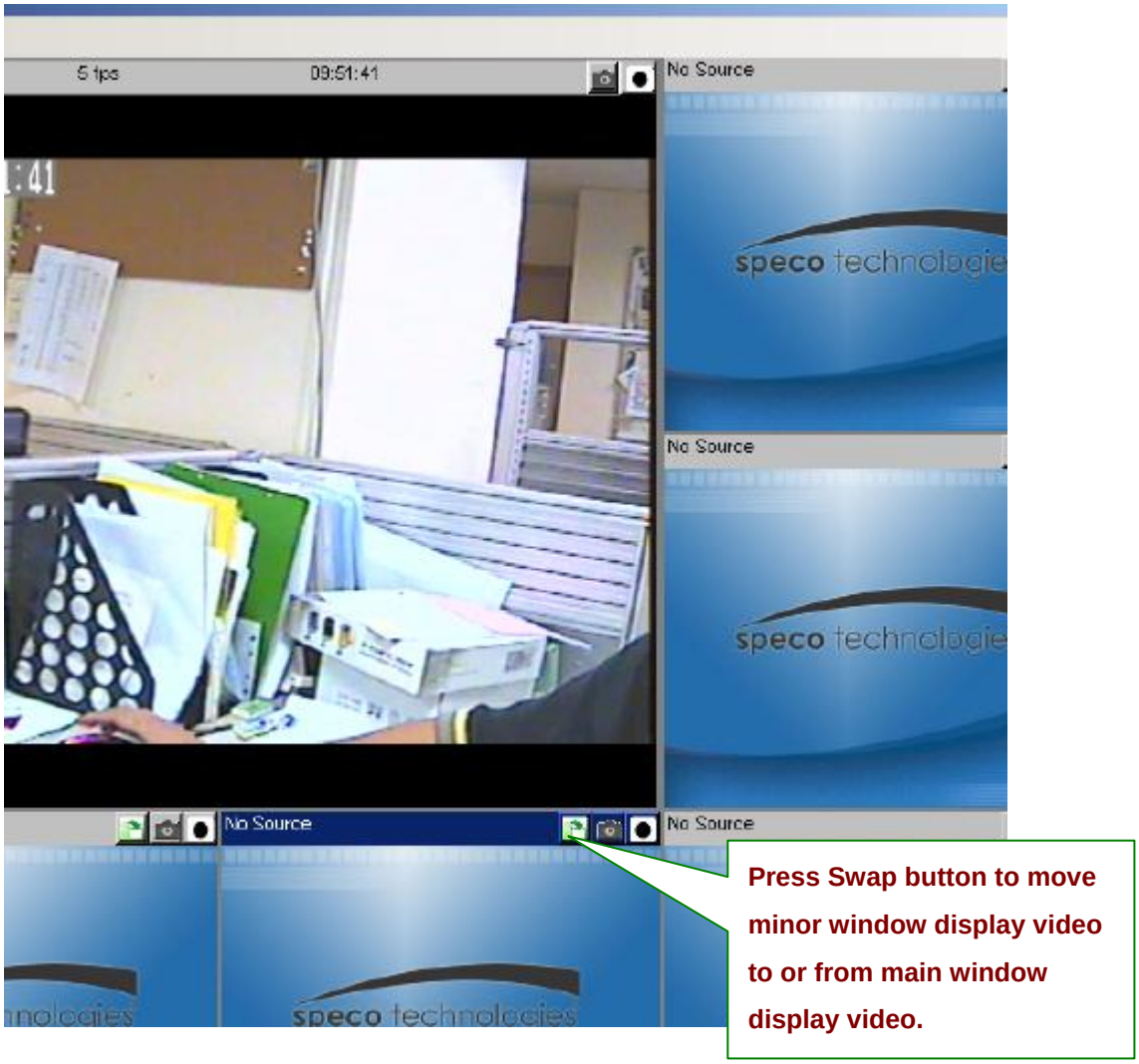


Snapshot & Continuous Recording

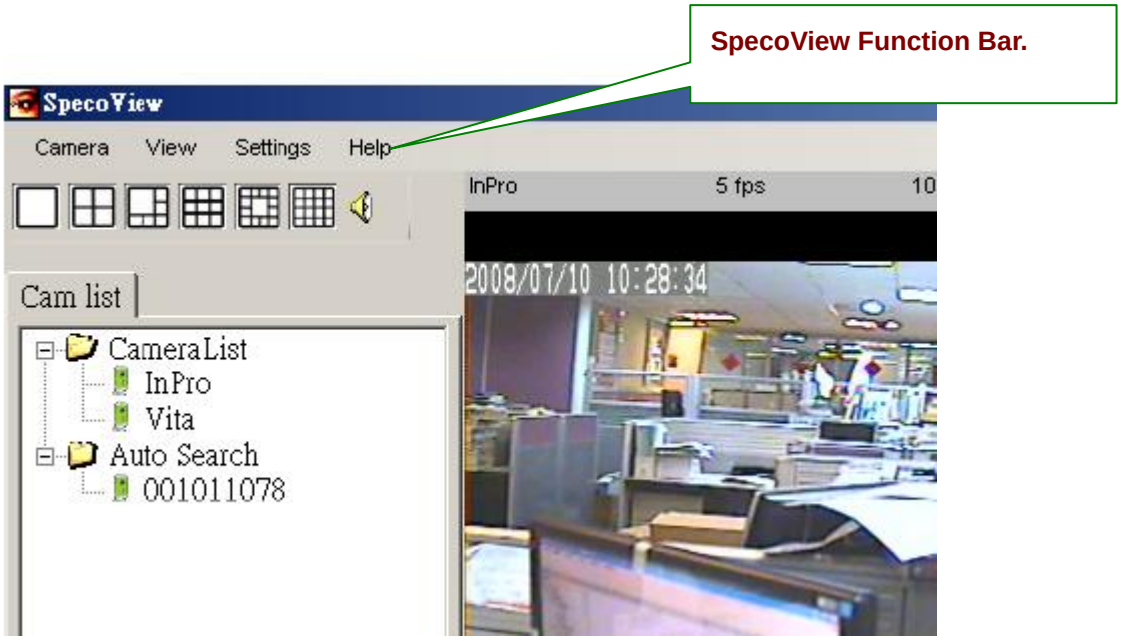


Swap Function

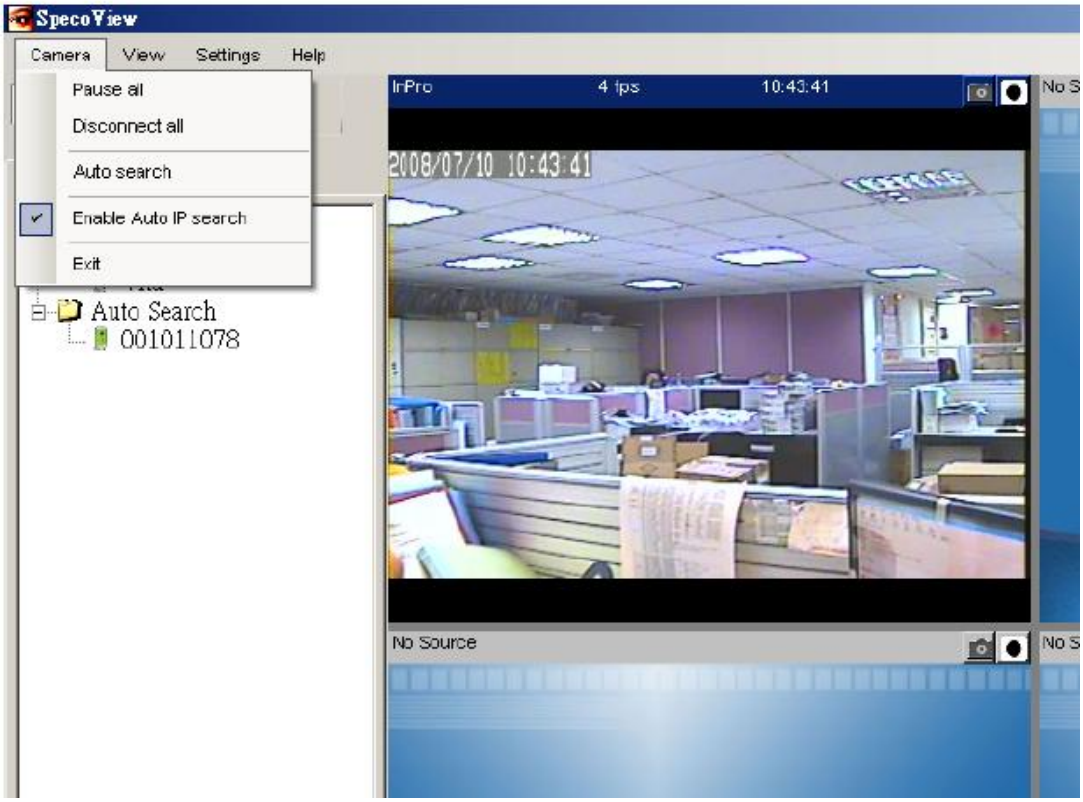
This function is available only in 6 and 13 window display modes. Press swap button to move the smaller window video to/from main window.



SpecoView Software Functions



Camera



1. ***Pause All:*** Click it to pause all video displaying.

2. ***Disconnect all:*** Click it to disconnect all video.

3. ***Auto Search:*** Click it to manually search for all InPro cameras in the LAN.

4. ***Enable Auto IP Search:*** Each InPro IP cam generates a virtual IP, which is used to communicate with the PC when the LAN environment is static IP type. Enabling this function allows the PC to find the InPro IP cam in a static IP LAN network environment.

5. ***Exit:*** Click to exit SpecoView.

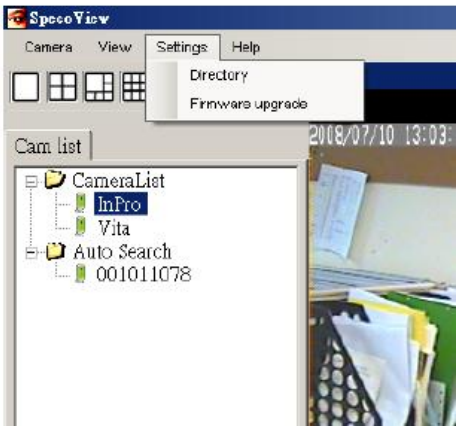
View

1. ***Status Bar:*** Select it, Specoview shows the PC HDD status. The HDD status is for storage of recorded video and snapshot pictures.

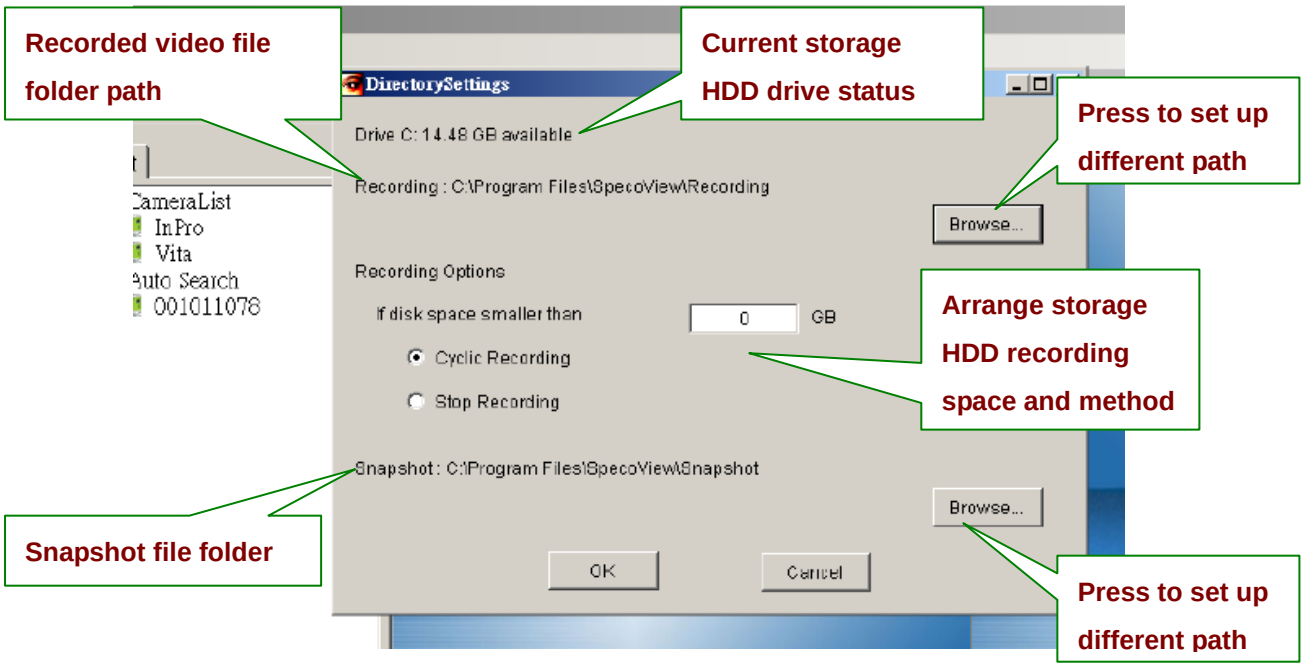
2. ***Camera List:*** Select it, Specoview shows the Camera List Tab and its all connected InPro IP cameras.

3. ***CamPlay:*** Select it to start up CamPlay. Camplay is the software used to play recorded video and snapshot pictures.
4. ***Open Recorded Files Folder:*** Click it to open the file folder of recorded video.
5. ***Open Snapshot Files Folder:*** Click it to open the file folder of snapshot.

Settings

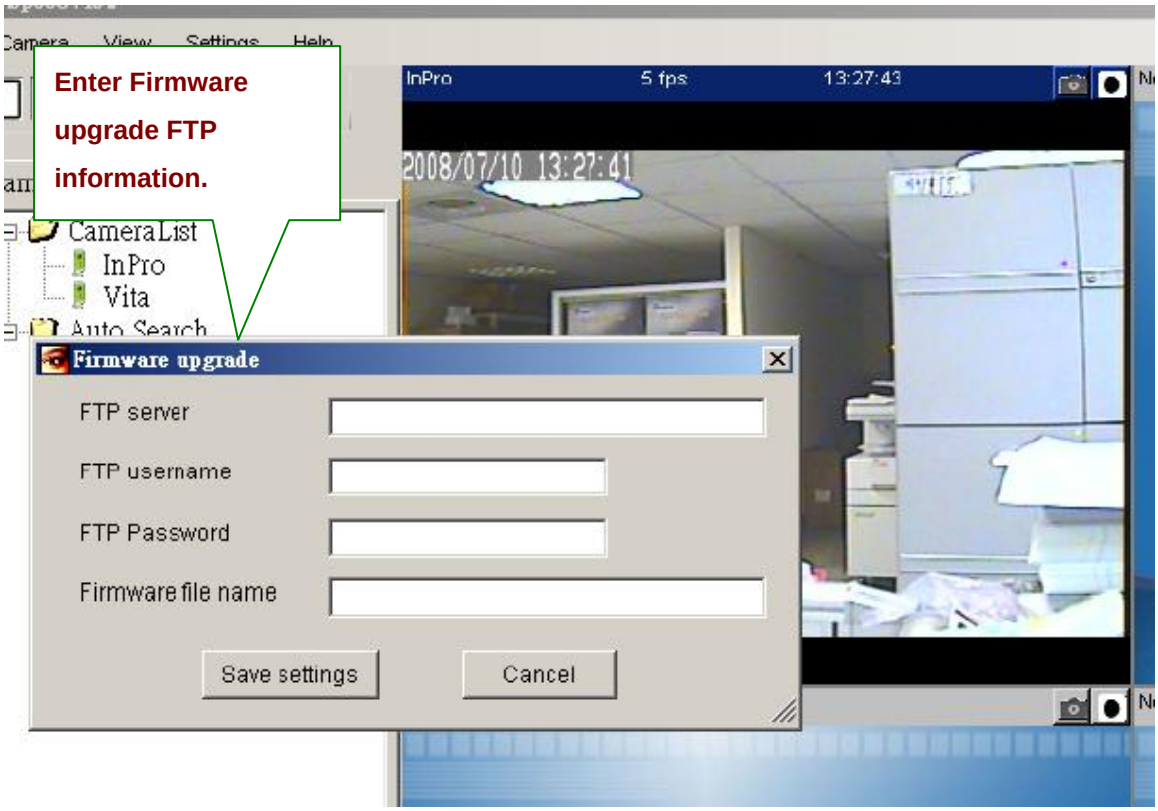


1. ***Directory:*** Set up the directory file recorded file and snap shots



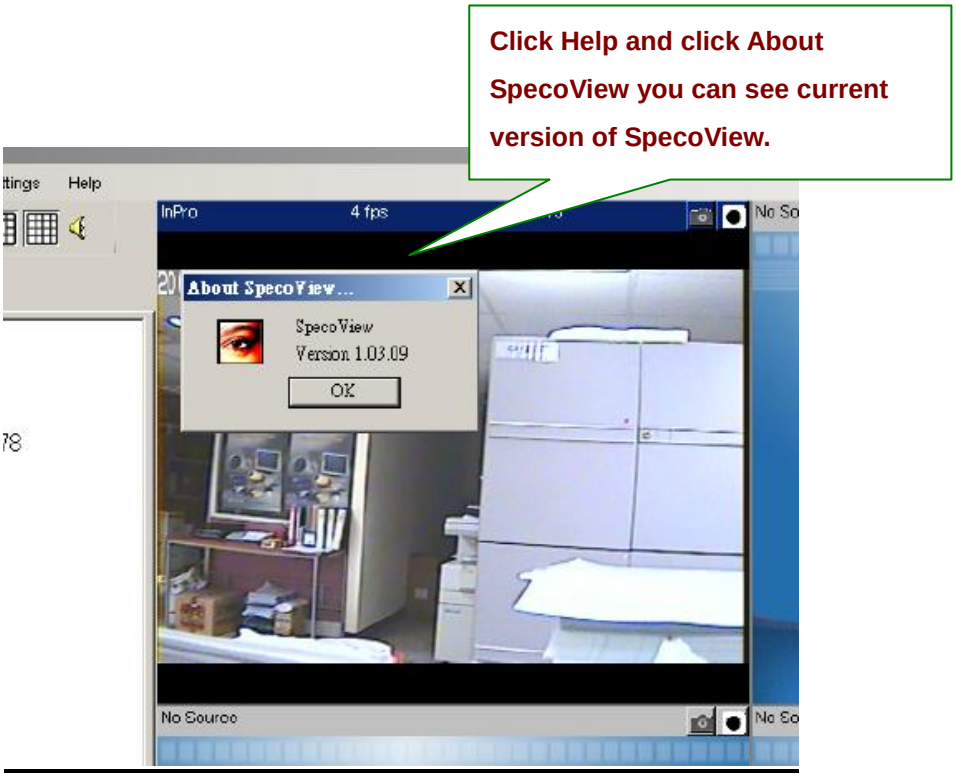
Press Browse button “ Browse... ” of recording video path and snapshot path, you can set up different path to save the video and snapshots.

2. *Firmware Upgrade:*



Saving firmware upgrading information in SpecoView allows you to do all InPro cameras upgrading without typing necessary FTP and firmware version information individually.

Help



Appendix I: Uninstall SpecoView

There are two ways to invoke the SpecoView uninstaller.

1. Uninstall from the start menu

   .Start ➔ SpecoView ➔ Uninstall SpecoView

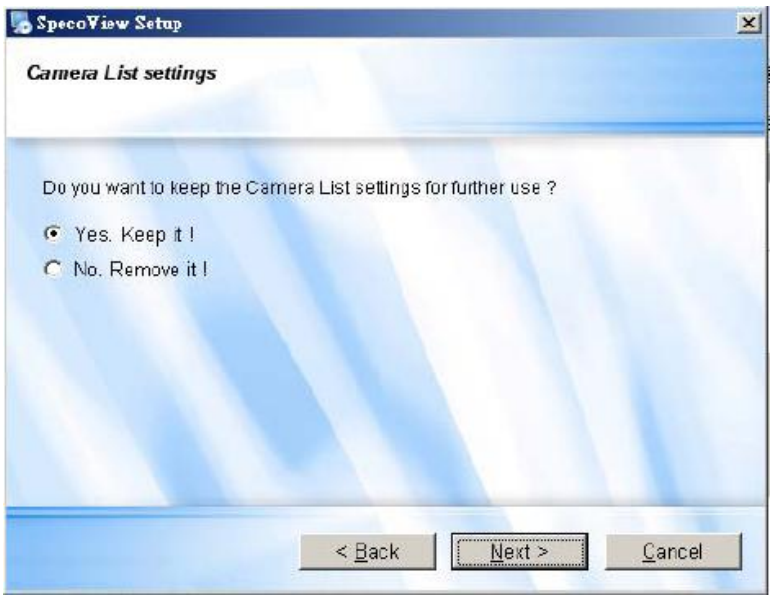
2. Uninstall from the control panel

   .Start ➔ Settings ➔ Control Panel ➔ Add or Remove Programs

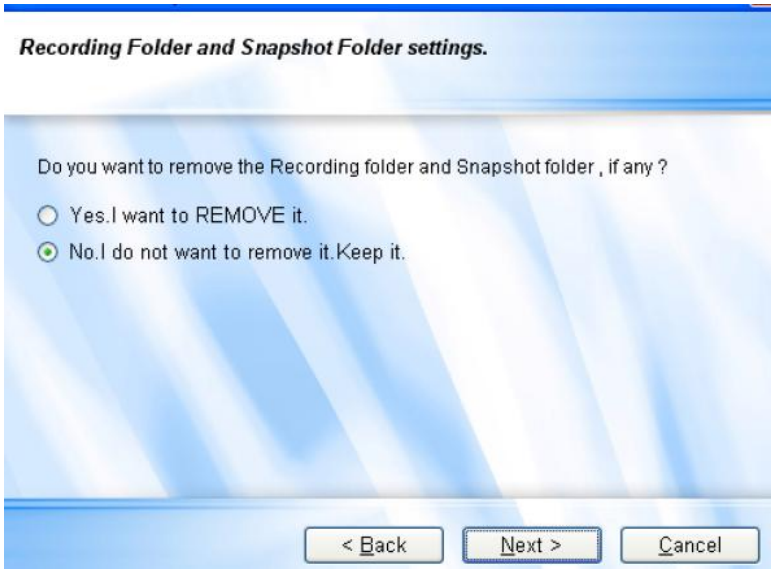
   .Select SpecoView program and click “Change/Remove”.

Step 1: Once the SpecoView uninstaller has been invoked, the uninstall screen shows up. Press “Next” button to move on.

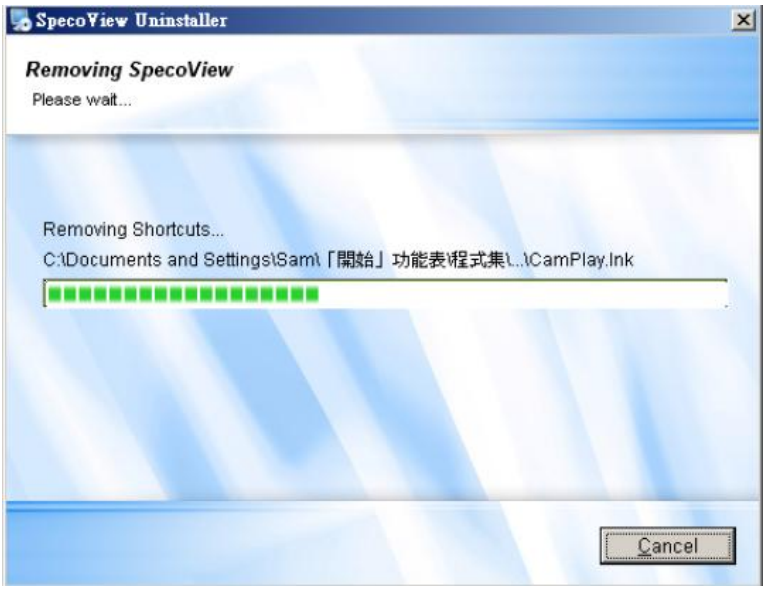
Step 2: Confirm Camera List setting and click Next.



Step 3: Confirm whether to keep or remove recording / snapshot folder.



Progress Window



Finish Window

Appendix II: Maximum Allowed Video Users

The maximum allowed video users for a single InPro product at the same time is dependent on the video settings including “Internet speed” and resolution. The followings are the summary of the maximum allowed video users:

Resolution of 176 * 120 or 176 * 144 pixels

Frame rate\bandwidth	64k ~ 512k	1M ~ 1.5M
5fps ~ 30 fps	20	4

Resolution of 352x240 or 352x288 pixels

Frame rate\bandwidth	64k ~ 256k	512k	768k	1M ~ 1.5M
5fps ~ 30 fps	20	18	9	4

Resolution of 720x480 or 720x576 pixels

Frame rate\bandwidth	512k	768k	1M ~ 1.5M
5fps ~ 30 fps	8	6	4

Appendix III: Performance Information

1. Video Performance Information

The video quality is dependent on the video parameter settings and the network quality. If you want to have a better video quality, you will usually set higher resolution and higher frame rate. This is fine when you are viewing the video locally in the same network. But when you want to see the video remotely through the Internet, you need to know the Internet speed (bandwidth) connected to your home network. If the “Internet speed” setting of your InPro camera is very large, but your real Internet speed (bandwidth) is relatively low, the video quality could be poor. In order to have the best video quality, you should have broadband service from your ISP and set the “Internet speed” of the InPro Camera a little lower than the real Internet speed provided by your ISP.

Appendix IV: Frequent Ask Question

Q: The InPro Cam status indicator shows a green icon, but I can not view the video or change the settings.

A: The green icon only denotes that the InPro Cam is online and responding, but does not guarantees that the video session can be established one hundred percent. The reason is due to the firewall or the strict access rules of the router.

Q: The video quality is not perfect when I view it remotely via the Internet.

A: The video quality is greatly affected by your Internet connection speed. Therefore, we recommend you to change the bandwidth settings of the InPro Cam to a value which is smaller than the one that your ISP provides.

Q. The video quality is not perfect when the status indicator of the IP Cam shows yellow. Why is that?

A: If it is yellow, it means the connection between SpecoView and the InPro Cam is not good. There might be a firewall in between or the routers that InPro Cam or SpecoView are behind have strict rules for the access.

Q: Can the password for playing video be empty?

A: No. For security issue, we do not allow users to make their passwords for playing video empty.

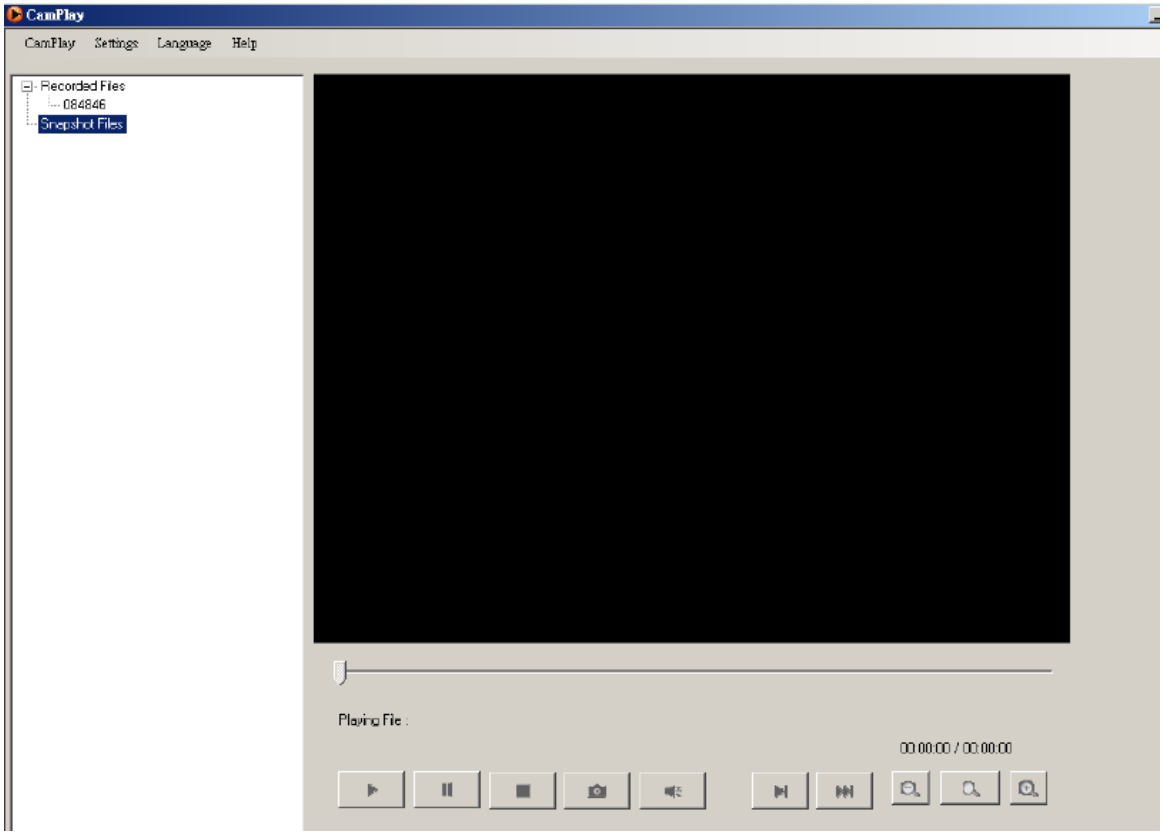
Q: Can I change the settings of the InPro Cam through SpecoView?

A: Yes, partially. You can change the resolution, frame rate, bandwidth, auto select, indoor/outdoor mode, light frequency, and brightness settings of the InPro Cam through SpecoView. The rest of the settings can only be configured via the web page of the InPro Cam.

Q. Sometimes I failed to connect to the InPro Cam after changing the settings of the IP Cam.

A: InPro Cam needs some time, around 5 seconds, to re-initialize the system. Therefore, please wait 5 seconds and try to connect again. If the auto reconnection is enabled, then SpecoView will connect it for you in 5 seconds.

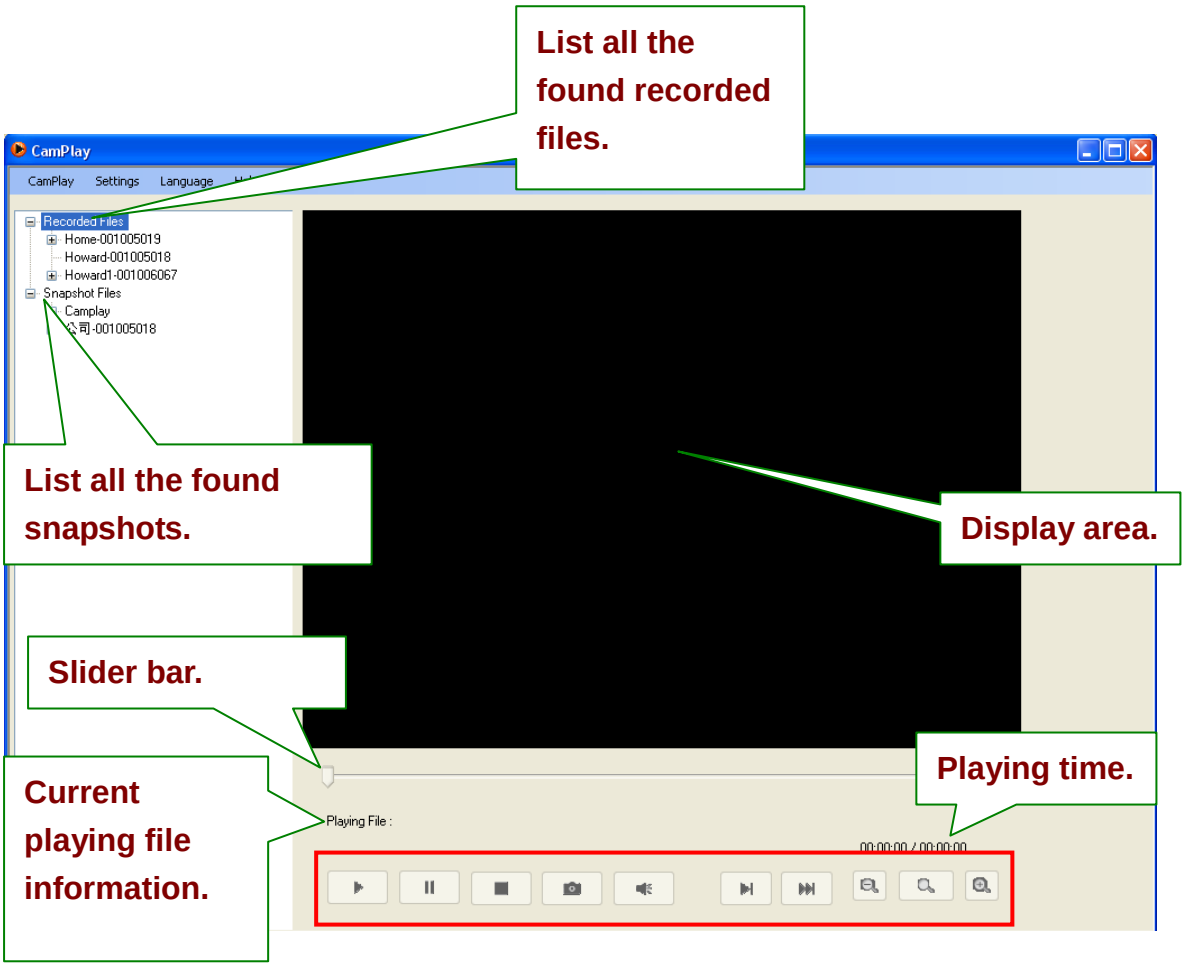
InPro CamPlay User Manual



Speco Technologies
200 New Hwy
Amityville NY 11701
TEL: 1-(800)-645-5516
Http://www. specotech.com

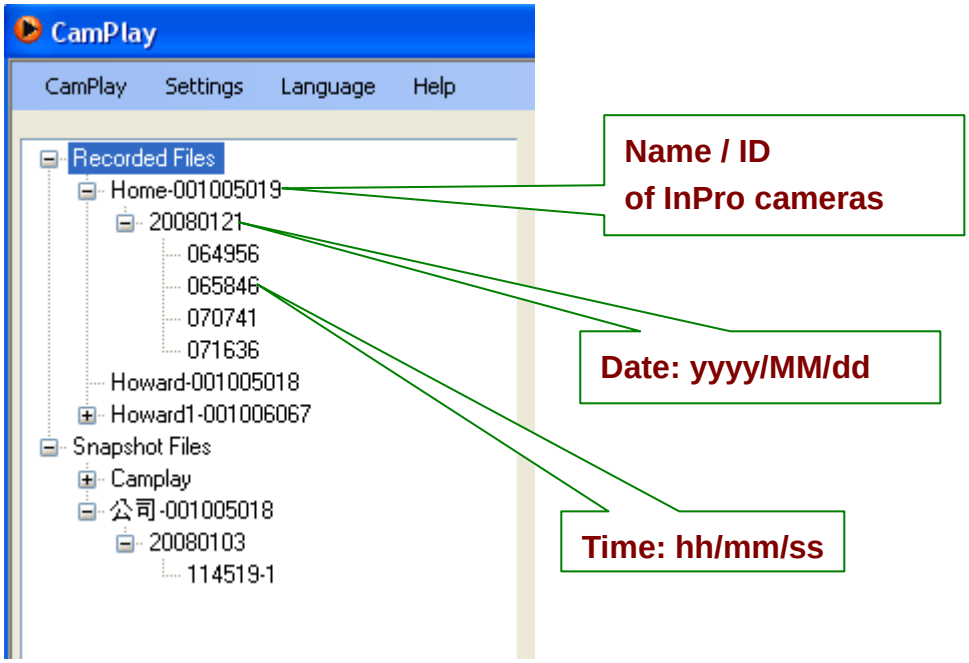
Startup and the Layout of Camplay

CamPlay is a management software for the recorded files and snapshots which were recorded or taken by the SpeoView earlier. You do not have to install it. It comes with the Specoview. To start up CamPlay, double click the Camplay shortcut icon on the PC desktop.

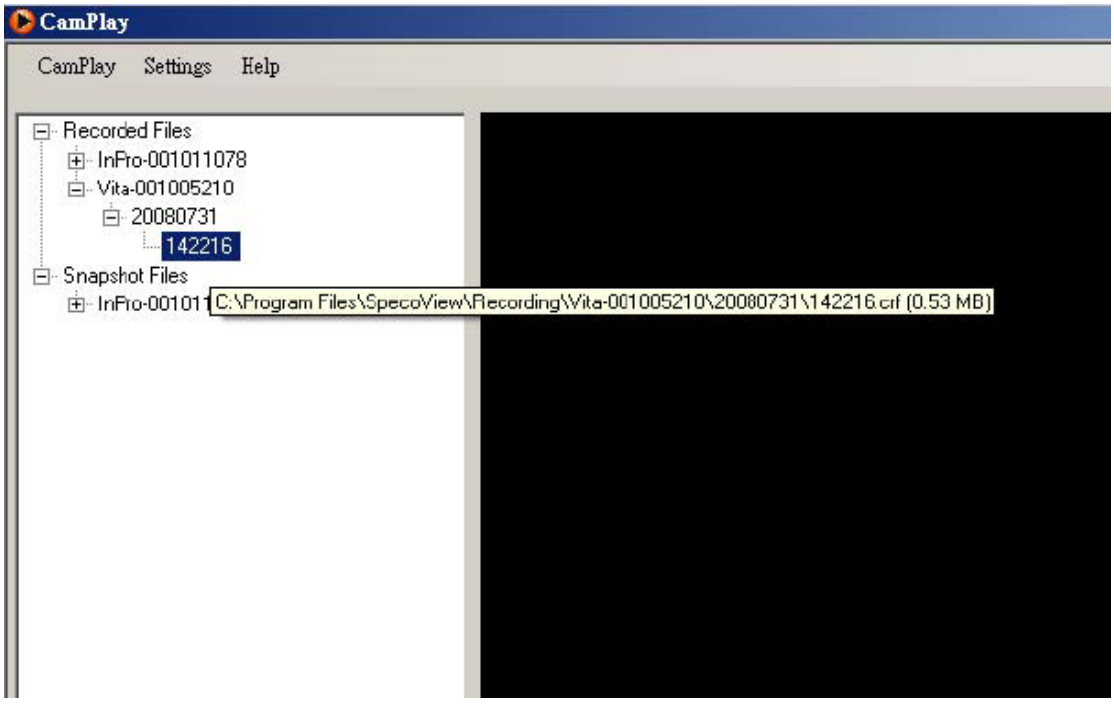


Camplay File Tree

Recorded videos and snapshots are listed as shown below:

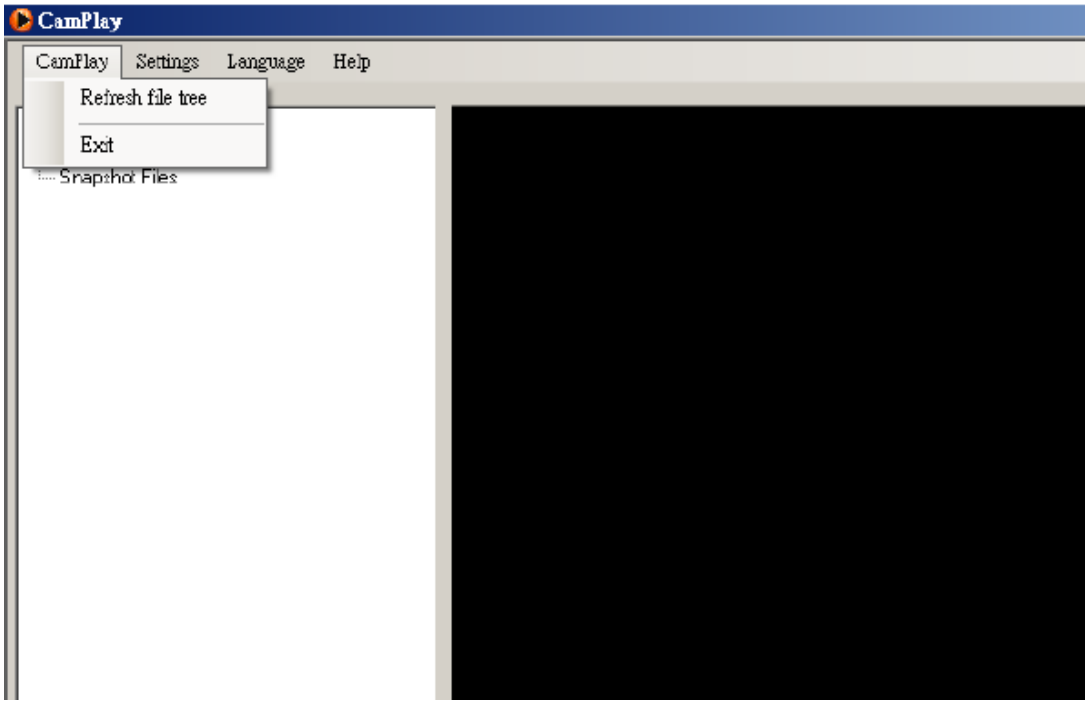


The classification algorithm is:
InPro Camera (Name / ID) → Date → Recorded / Snapshot Time



Camplay Functions

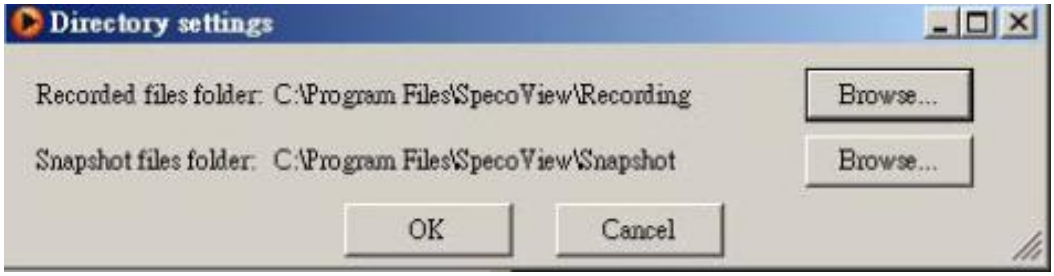
Camplay



1. ***Refresh file tree:*** Click it to refresh the file trees especially after SpecoView has made a recording or snapshot.
2. ***Exit:*** Click to exit Camplay.

Settings

Click to start up recorded video and snapshot directory settings. Click " " to set up.

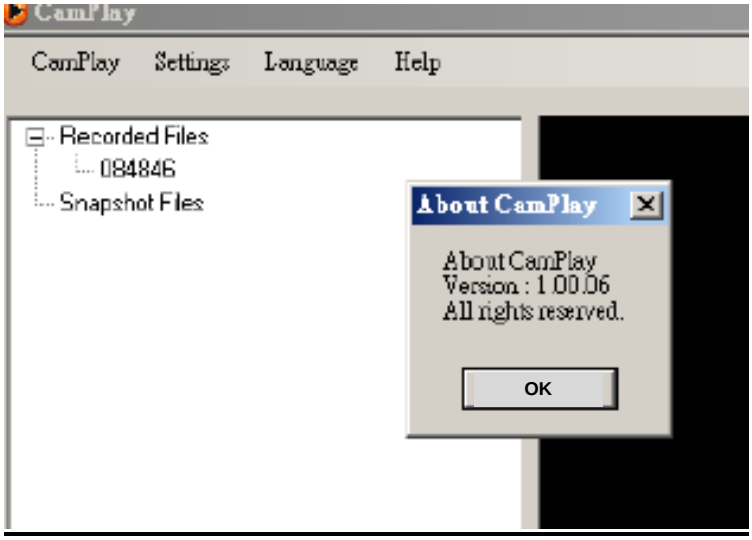


Language

Click to select available languages.

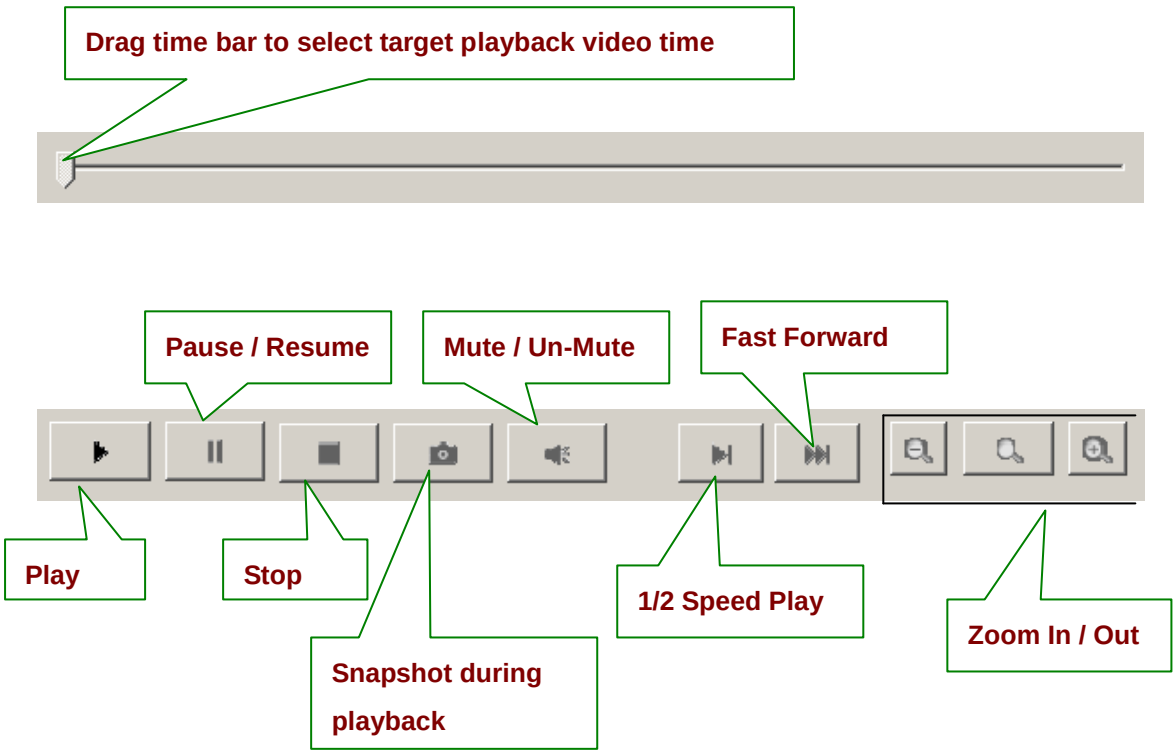
Help

Click to show CamPlay version.



Playback Function Bar

Double click a video file, use the playback function bar to operate different functions.
Double click a snapshot file, the snapshot picture appears on the display screen.



1. Snapshot

The snapshots you take within CamPlay are stored to snapshot_directory\CamPlay\date\. Snapshot_directory is the directory you configured to store the snapshots.

2. Zoom in and zoom out

The maximum resolution you can zoom in to is 640x480 and the minimum resolution you can zoom out to is the original resolution of the video file. To zoom in, click . Click to zoom out and click to change back to the original resolution of the video file.
The snapshot is not displayed in the video display area. This gives you the ability to playback the recorded video file and view the snapshot at the same time.

InPro Web Configuration Manual

Speco Technologies
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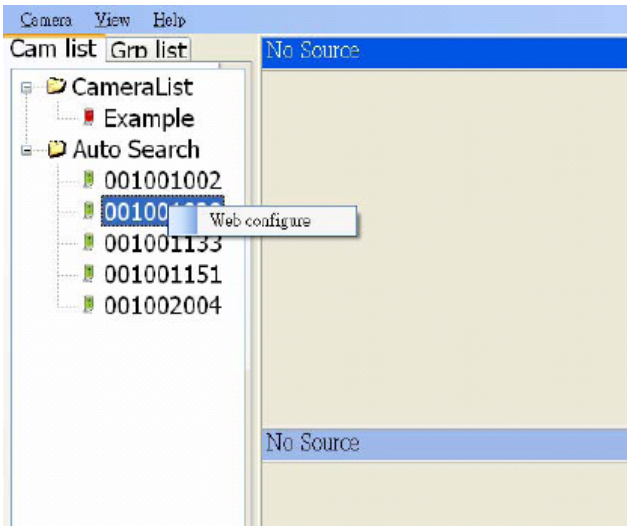
Http://www. specotech.com

Enter Web Configuration

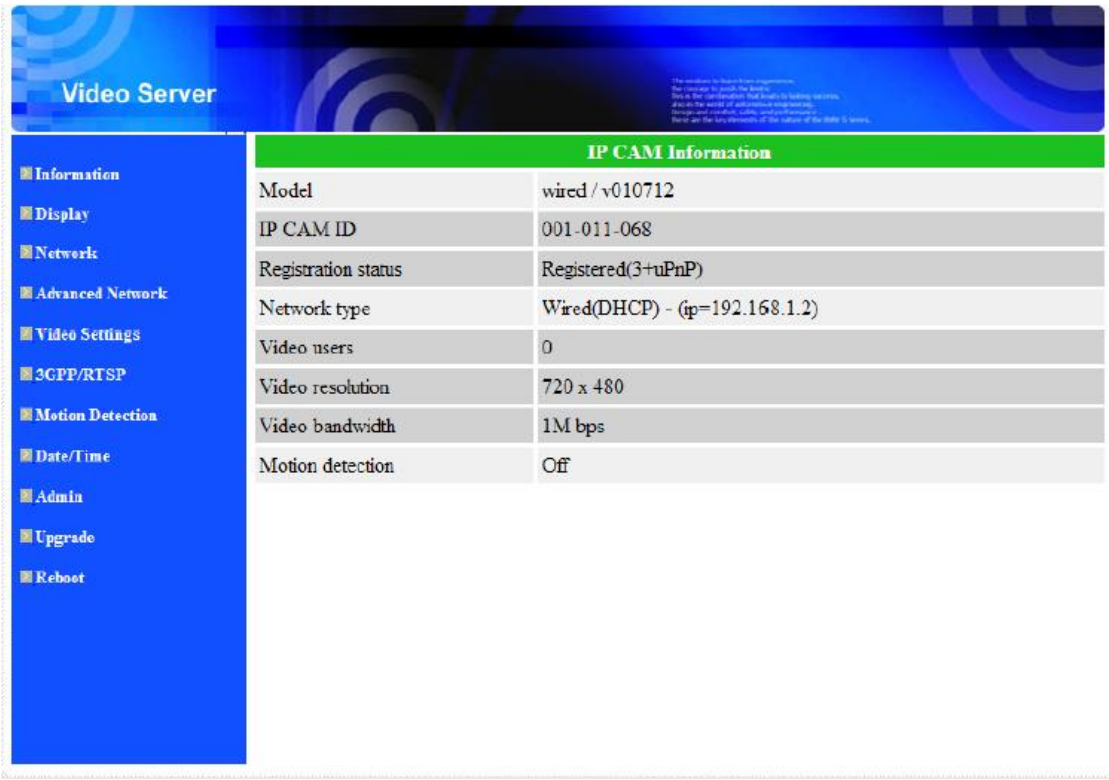
Key in the IP address of any InPro IP cameras (when a fixed IP is assigned to InPro) or access via SpecoView (when InPro is in LAN) to access the web configuration page.



Enter default username: “admin” to access. No password is necessary

Information Page

The InPro camera Information Page will appear



A. Model: InPro camera firmware version

B. **IP CAM ID:** InPro camera ID number

C. **Registration Status:** Indication of the InPro camera's registration with SpecoView

D. **Network Type:** Indication of the current InPro camera network type.

E. **Video Users:** Current people accessing the InPro camera.

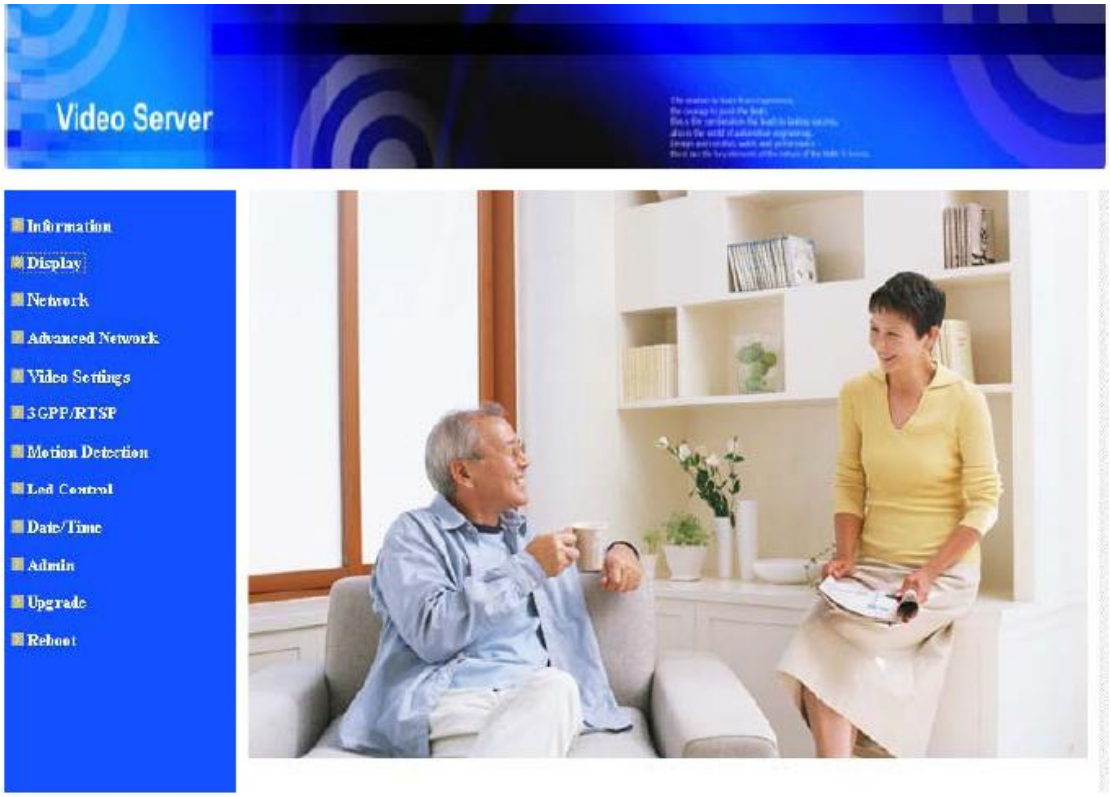
F. **Video Resolution:** Current InPro display resolution

G. **Video Bandwidth:** Current InPro bandwidth setting

H. **Motion Detection:** Current motion detection status.

Display Page

This page allows InPro live video to be displayed on IE when accessed. For the first time, an activeX component is automatically downloaded into the browser. The component is downloaded from a public domain, so the computer must be connected to the Internet.



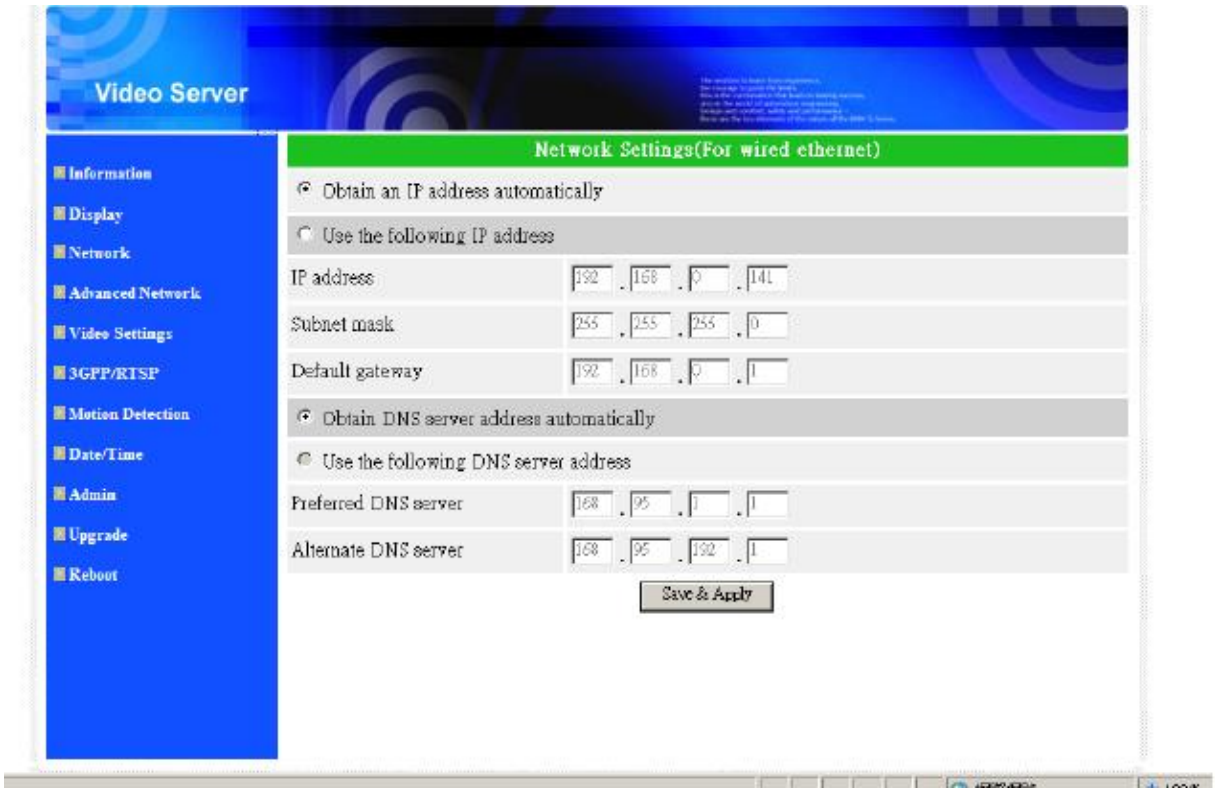
To adjust the display size, please refer to the "Video Setting" Web Page.

Network Page

This page allows you to configure the network setting of an InPro camera. Users can assign an IP to the InPro camera or set up a DHCP to the InPro camera.

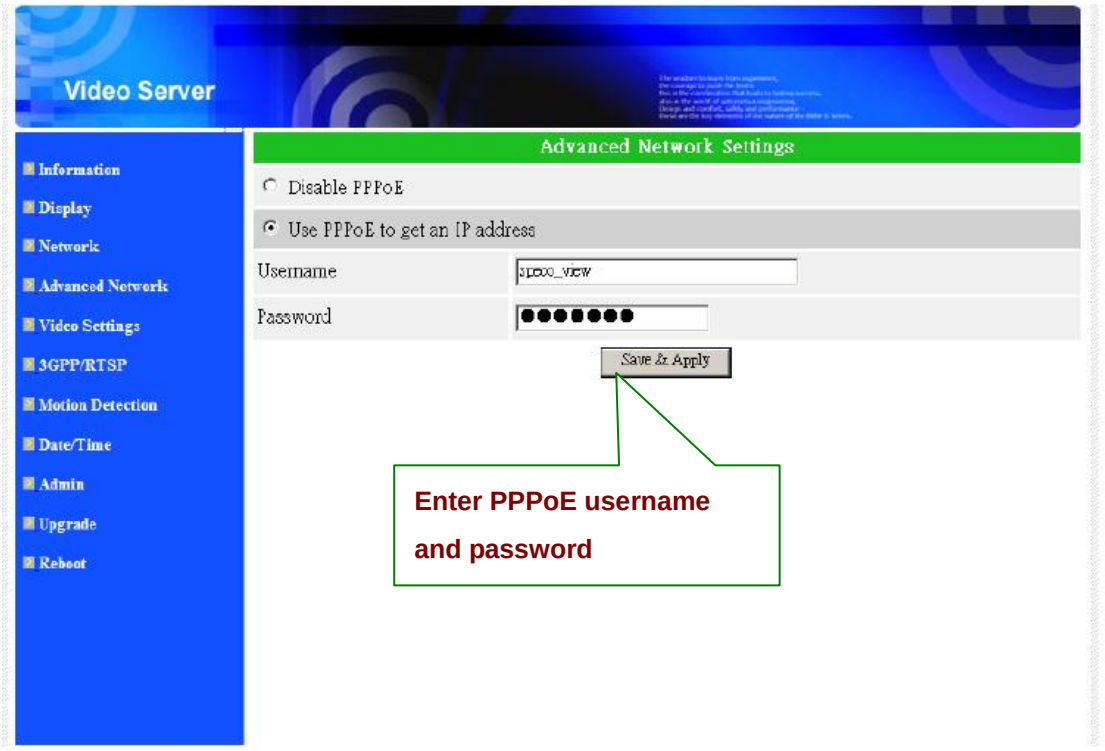
The default setting of InPro camera is DHCP, which is to obtain an IP address automatically. If the network environment does not support DHCP function, users need to set the network settings of the InPro camera manually.

Users need fill in all of the fields including “IP address”, “Subnet mask”, “Default gateway” and “DNS server”. All these settings must be correct for your network environment,



Advanced Network Page

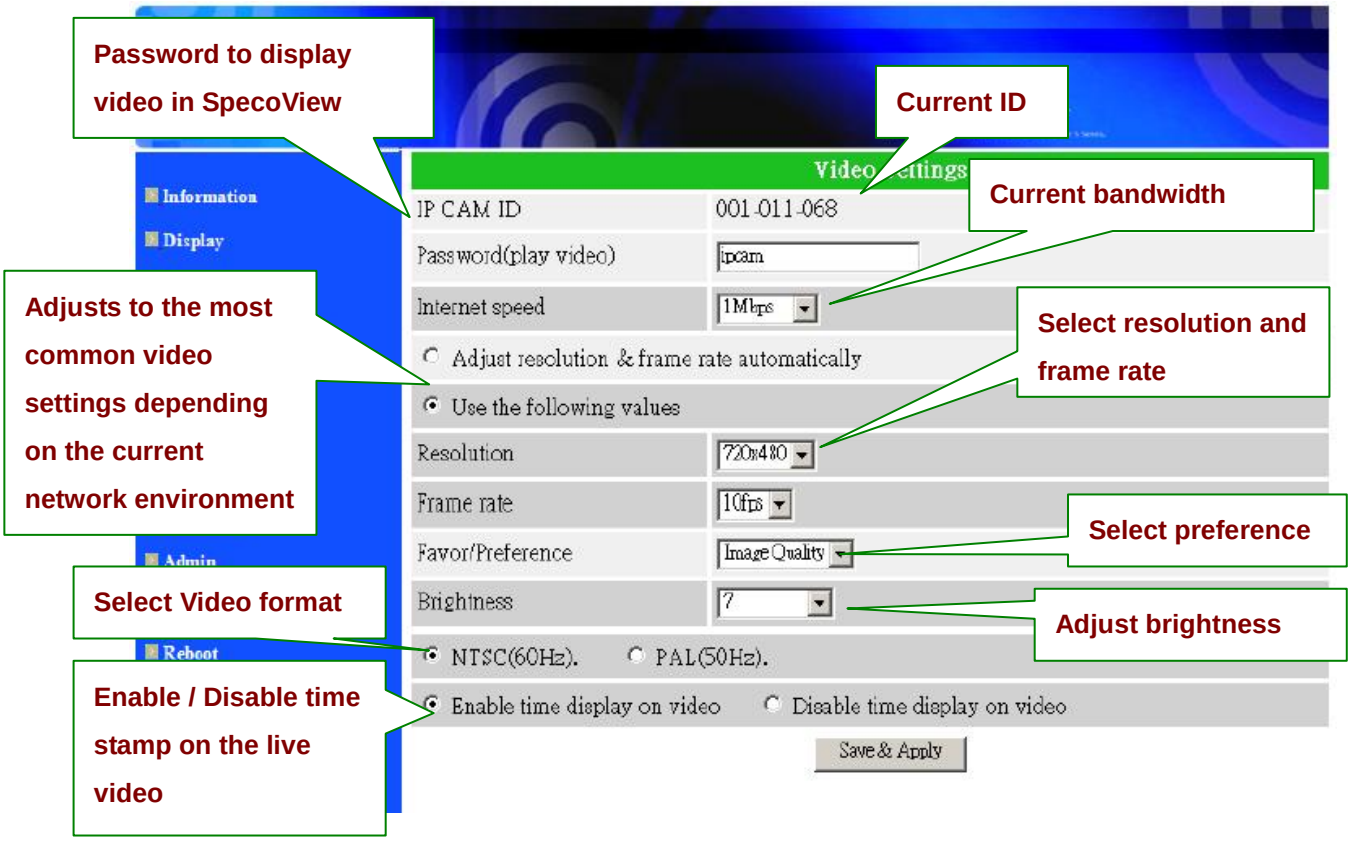
This page allows users to set the InPro camera for PPPoE connection (ADSL service).



Note: *DHCP or static IP settings in the "Network" page can work together with the PPPoE connection. The PPPoE has higher priority, so, if the PPPoE is working, InPro cameras use PPPoE to connect to the Internet.*

Video Settings Page

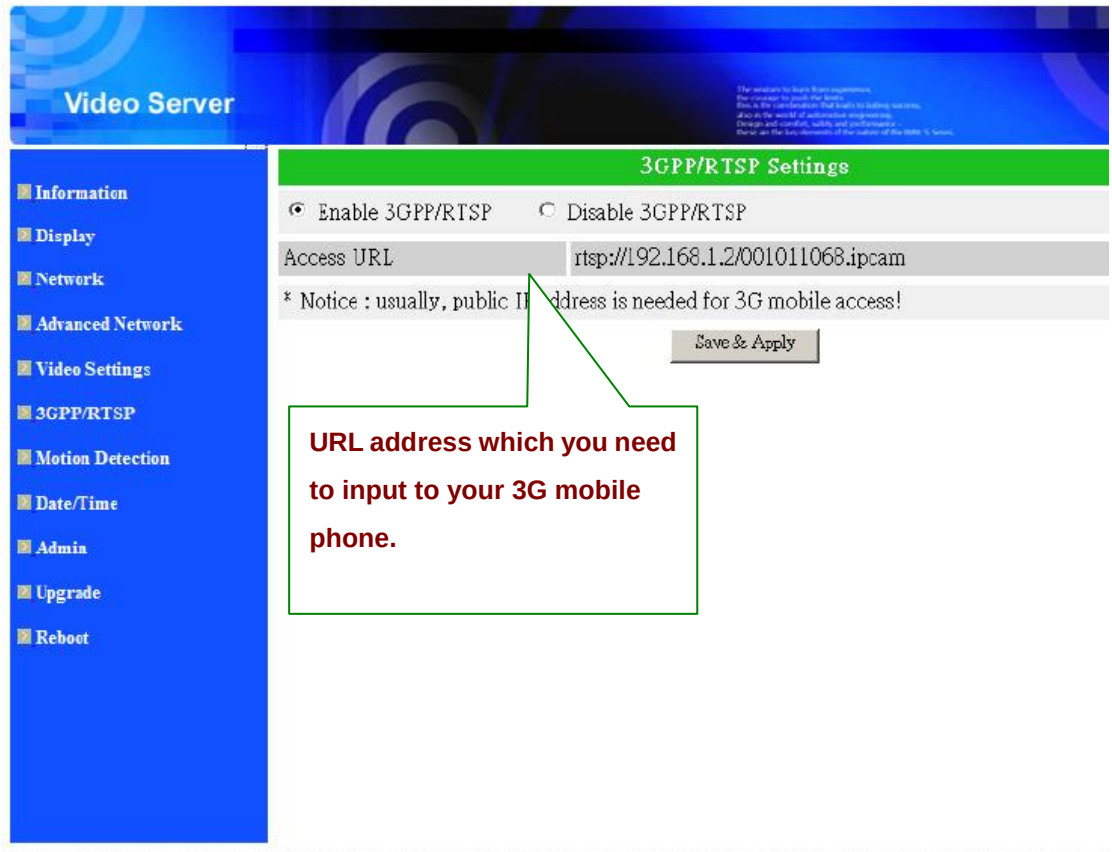
This page allows you to make video settings for InPro.



3GPP/RTSP Page

The InPro Series camera can be viewed from a 3G mobile phone. A public IP address is needed for users to see video from 3G mobile phones.

The “Access URL” line is the url address for the 3G mobile phone to input for seeing the video of the InPro product. Different 3G mobile may need to input this url in different way, detailed information could be found in the user manual of different 3G mobiles.

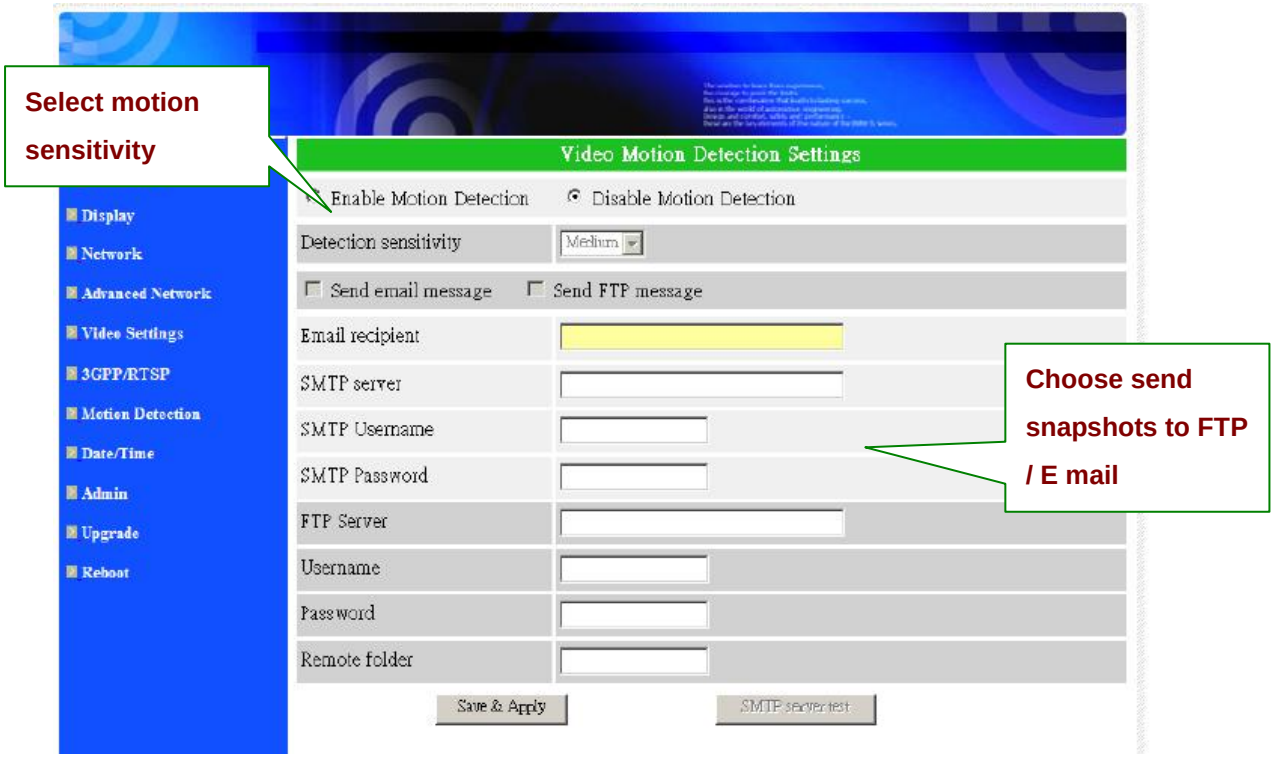


Note:

For detailed settings on the 3G mobile phone, please refer to ***Appendix A****.*

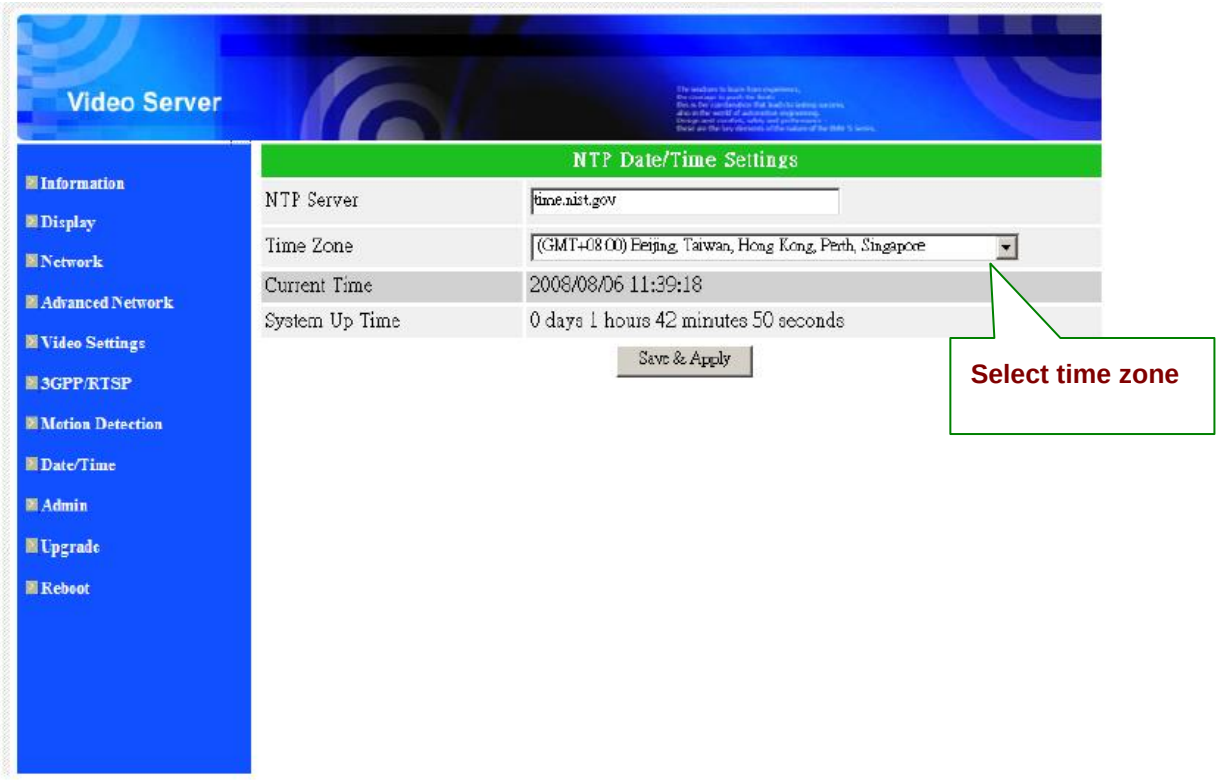
Motion Detection Page

InPro IP cameras automatically send snapshots of motion detection triggered events to the preset Email account or FTP site. Users can set up an Email account and FTP site in this page.



Date / Time Page

InPro series cameras can synchronize the date/time with the universally available time server (for example stdtime.gov.tw) through NTP protocol. The date/time is corrected with the time server anytime when the Internet is connected.



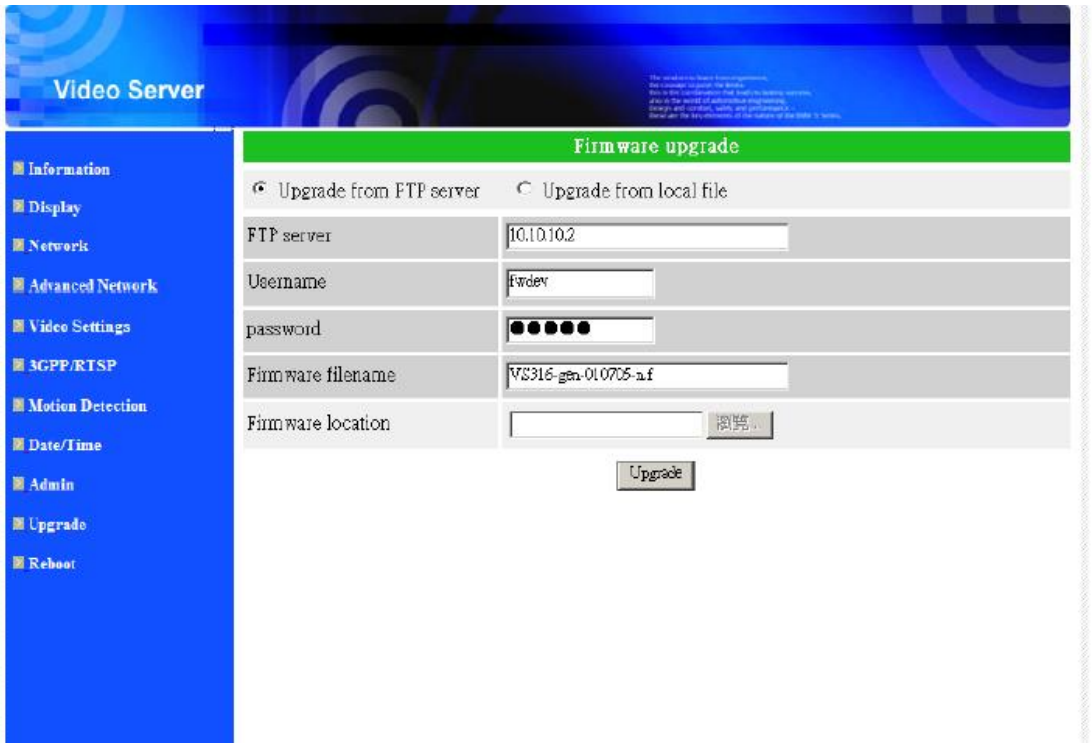
Admin Page

In this page, you can modify the web login account. With this account, you can login to the InPro product and do any modifications. The default account is “admin” without password.

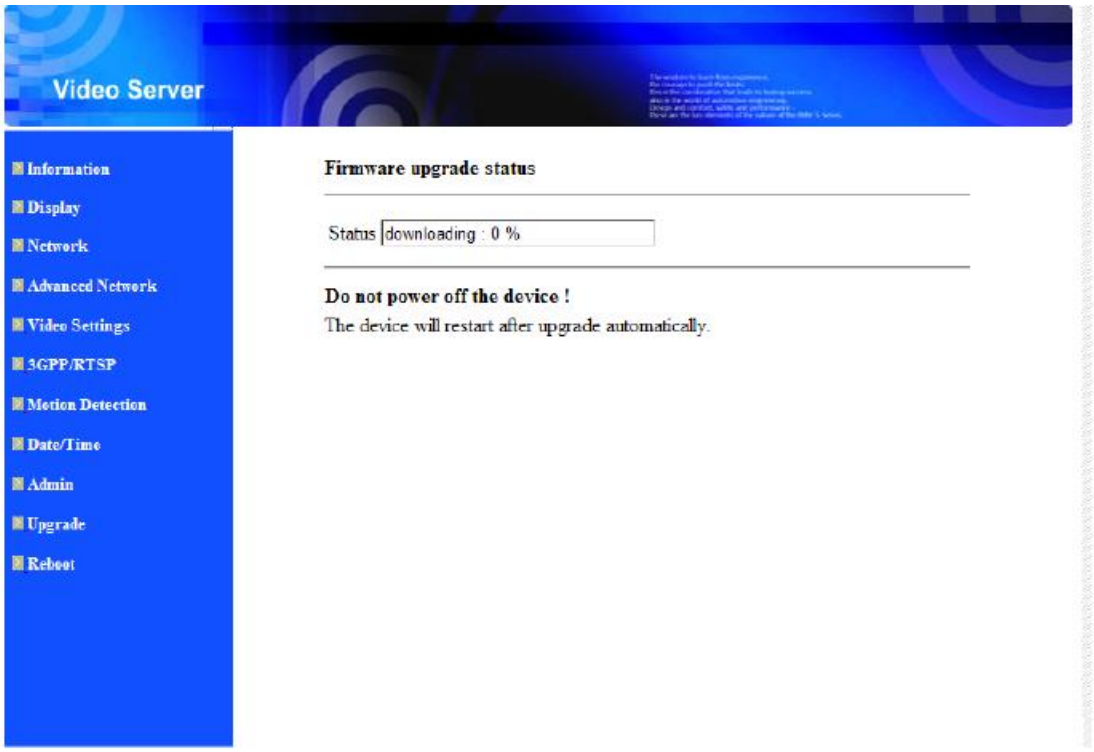
In case of the web log in password is unknown, users can press the InPro camera reset button, which takes the InPro camera back to the default setting.

Upgrade Page

Users can update the firmware of an InPro camera on this page. You can either upgrade the firmware from Speco's FTP site or from the local file. Please contact Speco for latest available firmware.



While upgrading, the status page appears.



Note: *Please do not power off the InPro camera during upgrading.*

Reboot Page

On this page, you can reboot the InPro camera. The InPro camera disconnects during rebooting.

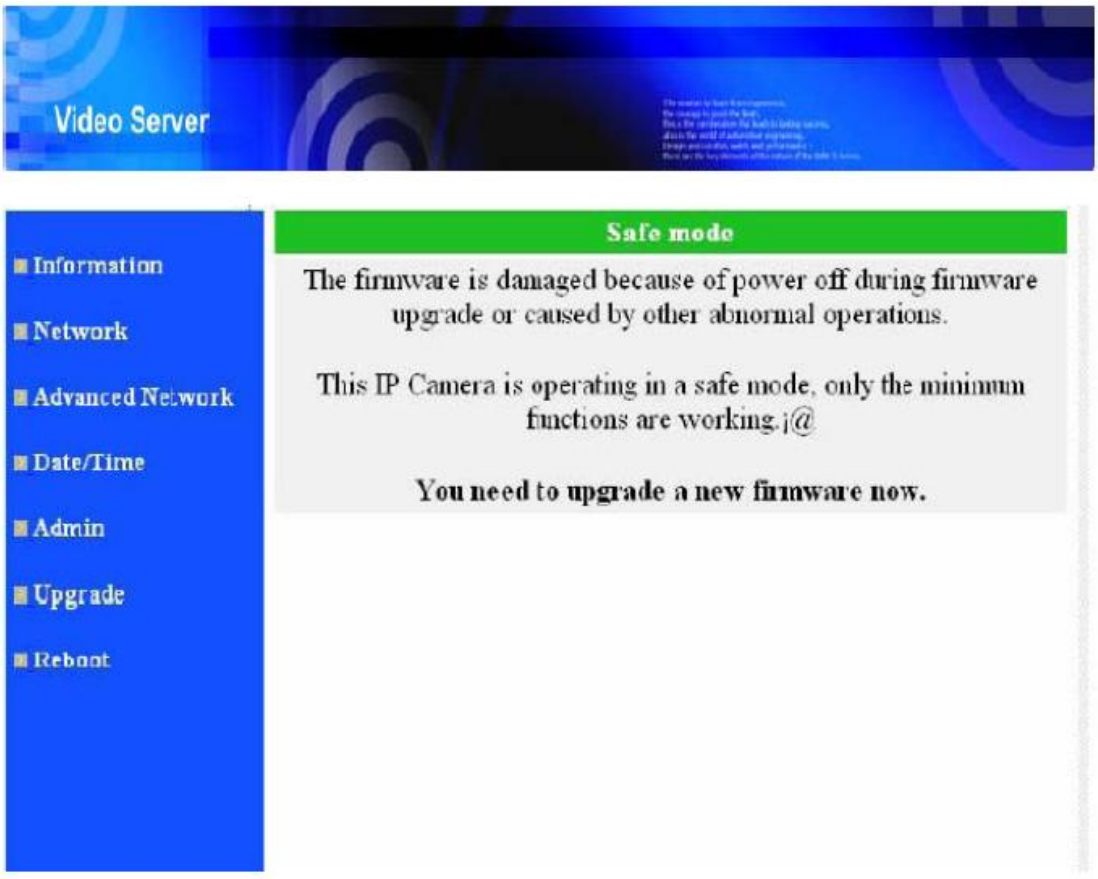
The Reboot process page appears when users click the reboot button.

Safe Mode

In abnormal operation such as “power off” during firmware upgrading, the InPro needs to be upgraded to a new firmware in order to recover its function.

Steps for recovering from SAFE MODE:

i. Use Specoiew to locate the InPro series product by clicking the “Auto Search” item on the SpecoView software.
ii. Login into the web configuration page of the InPro product.
iii. Upgrade the firmware from the “Upgrade” page.



Appendix I: 3GPP/ISMA operation

3GPP/ISMA uses RTSP protocol for 3G mobile phones to display the video stream from some network devices, including InPro cameras. InPro cameras support the RTSP protocol and video/audio codec needed by 3GPP/ISMA. Users only need to access the address rtsp://ip_cam_address/CAM_ID.password on the 3G mobile phone to access the video of the InPro camera. No other extra configuration is needed on the InPro camera. Different 3G mobile phones may need different procedures to be able to key in the rtsp address. Please contact the 3G mobile phone customer service for more details.

The video quality and resolution is the same value as set on the “video settings” page. Since the bandwidth provided by the 3G service is under 256k bps, it is better to configure the “Internet speed” of the InPro product to 128k or 64k bps.